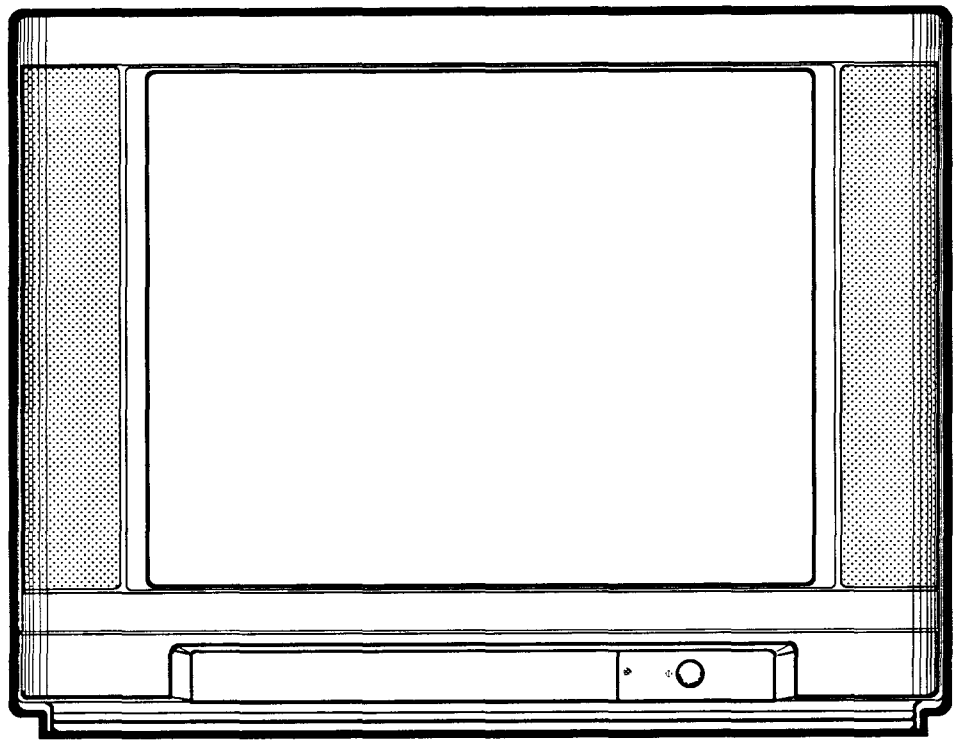
SANYO

FILE NO.

SERVICE MANUAL Colour Television Model No. C25ZG45

(New Zealand)

Service Ref. No. C25ZG45-00



Specifications

Power Source..... AC 220 – 240 Volts, 50Hz.

Colour System..... PAL (AV INPUT: PAL/NTSC/NTSC4.43)
Television System..... B/G
Channel Coverage..... VHF: 1 – 11
UHF: 21 – 69

Video IF..... 38.9MHz
Sound IF..... 33.4MHz

Aerial Input Impedance..... 75 Ω
Ext. Terminals..... AV inputs:
Video inputs: Phono jack x 1
Audio inputs: Phono jack(R/L) x 1
AV outputs:
Video outputs: Phono jack x 1
Audio outputs: Phono jack(R/L) x 1
Headphone Jack: Mini. Stereo Jack x 1
Sound Output (Music)..... 10W+10W
Dimensions..... 681(W)x521.5(H)x463(D)mm
Weight(approx.)..... 28.0 Kg

Specifications subject to change without notice.

Product Code: 1 113 228 16

Original Version

Chassis Series: AA1-A

Give complete "SERVICE REF. No." for parts order or servicing. It is shown on the rating plate at the cabinet back of the unit.

This T.V. receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specification table.

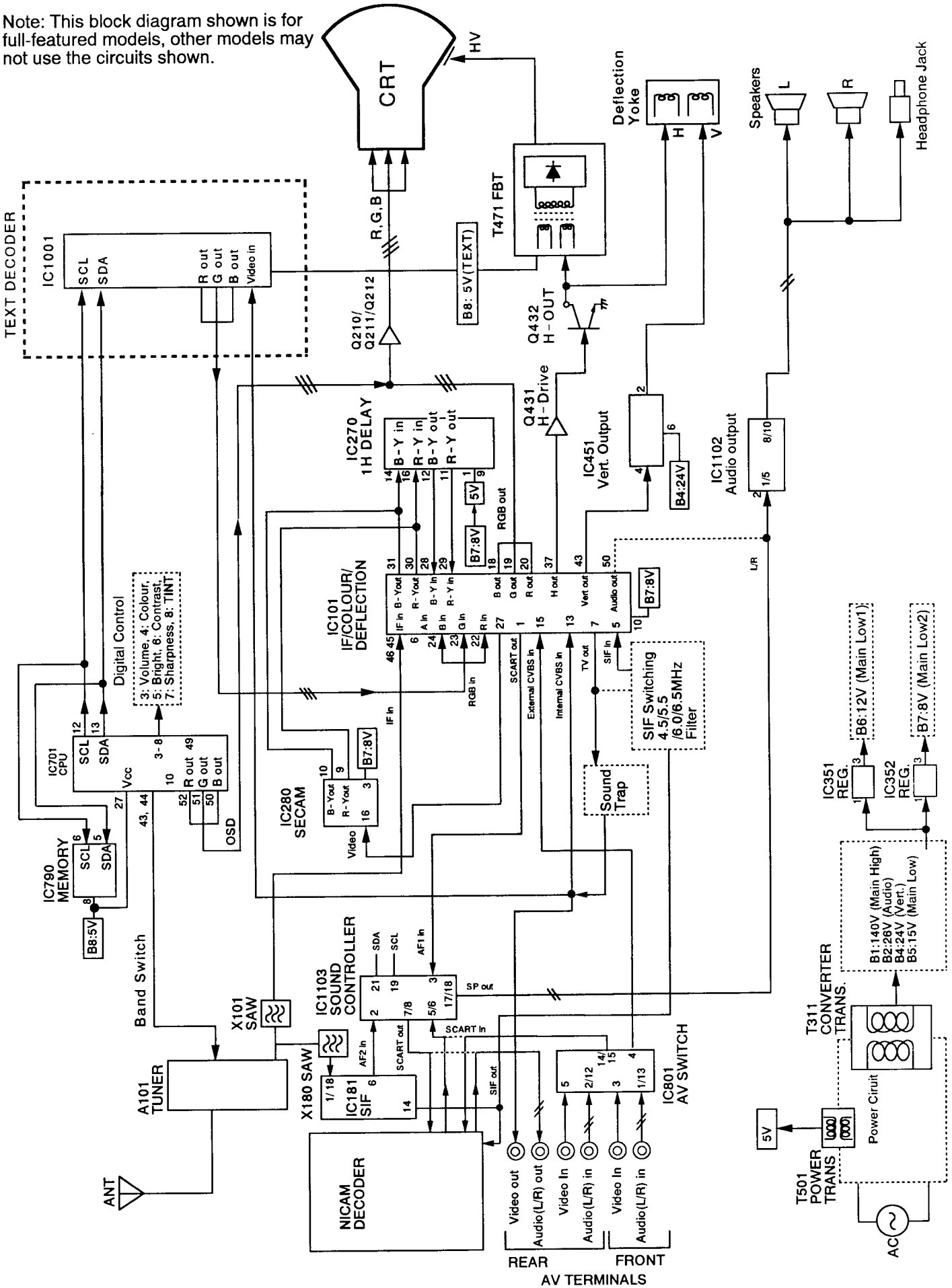
Refer to "TI520004" Training Manual for this model.

E8ZV

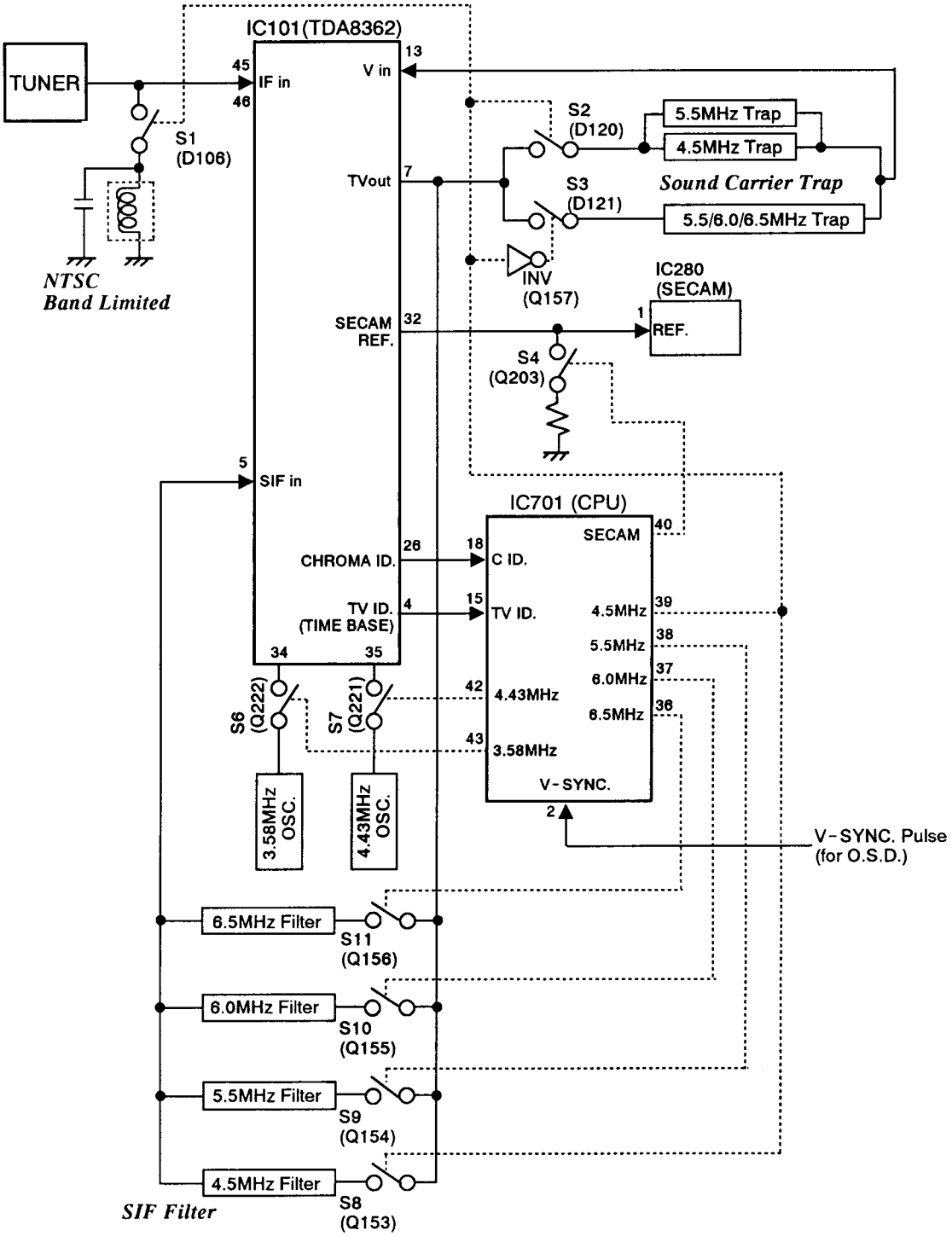
REFERENCE NO. SM 520152

Block Diagram (For multi-standard model)

Note: This block diagram shown is for full-featured models, other models may not use the circuits shown.



Block Diagram (For multi-standard model)



Circuit Description

1. POWER SUPPLY

The power supply circuit of the AA1 - A chassis is comprises a primary rectifier smoothing circuit, an oscillation circuit, a control circuit and an output rectifier circuit.

The AC input voltage is rectified at the double or full-wave rectifier smoothing circuit, and an unstable DC voltage is generated at both terminals of the smoothing capacitor C307. The double or full-wave rectifier circuit is build by switching the triac on or off in IC501 <STR81145A>. This voltage is supplied to the oscillation circuit, which is composed of a blocking oscillator circuit that switches the switching transistor Q313 ON and OFF.

A square-wave oscillation is generated in the input winding according to operation of the control circuit. A quare-wave with amplitude dependent on the turns ratio of the input and output windings is obtained in the output winding. This is rectified in the output rectifier circuit, and the desired DC voltage is produced.

2. IF & DEFLECTION (TDA8361/8362)

The IF output signal from the tuner passes through the SAW filter, and it is input to pins **45** and **46** of IC101.

Within the IC, the IF signal passes through the IF amplifier, video detection and video amplifier circuits, and is outputted from pin **7** as a composite video signal. In the monaural model, this composite video signal passes through the 5.5MHz(B/G) / 6.0MHz(I) / 6.5MHz(D/K) / 4.5MHz(M) sound bandpass filtering circuit, and it is inputted into pin**5** of IC101. In the stereo model, the SIF signal is supplied from pin **14** of IC181<TDA2546A> to pin **5** of IC101 through the sound bandpass circuit for modulation of the main carrier. In the IC101, this sound IF signal passes through the SIF amplifier, FM detector, external audio switch and audio output circuit, and it is then outputted from pin **50** as audio drive signal (Monaural model). In the stereo model, the main audio signal is fed from pin**1** to the stereo controller IC (MC44131PB).

The video signals applied to pins **13** or **15** are separated into vertical- and horizontal- sync. signals respectively by the sync. separator in the IC.

The horizontal oscillator requires no external components and is fully integrated. This oscillator is always running when the start - pin **36** is supplied with 8V, and the horizontal drive signal is outputted from pin **37**. VR401 is used for horizontal centring adjustment.

The separated vertical sync. signal from the sync. separation circuit passes through the vertical- separation circuit, and is applied to trigger divider circuit.

The horizontal oscillation pulse and vertical sync. pulse are monitored by the trigger divider circuit to select either the 50Hz or 60Hz system, and automatically adjust the vertical amplitude.

The output signal from the trigger divider triggers the vertical oscillator circuit whose external timing components consist of R402, C401 to pin **42**, and the vertical ramp signal is outputted from pin **43**. VR451 is for controlling the amount of AC feedback applied to pin **41** for adjustment of the vertical amplitude.

3. VIDEO CHROMA (TDA8361/8362)

The composite video signal output from the pin **7** of IC101, passes through Q122, and the sound traps X124, X125, X126, X127 to reject the sound carrier components, is then supplied to pin **13** through the equalising circuit consisting of Q135, Q132 and Q134. The external video signal from SCART or other AV terminals is supplied to pin **15**.

The video signal input to pin **13** or pin **15** is separated into luminance (Y) signal and chroma signal in IC101. These pins are also common to the H/V- sync. separation circuit input already described.

The peaking of Y signal is adjusted by DC voltage on pin **14**.("SHARPNESS" control)

The chroma signal is divided into R- Y and B- Y chroma signals, which are demodulated and output from pin **30** (R - Y) and pin **31** (B - Y). These chroma signals pass through the 1H delay line circuit (IC270), and are re - inputted at pin **29** (R-Y) and pin **28** (B-Y). These R-Y/B-Y signals pass through the RGB matrix circuit and the RGB selector circuit of IC101. The internal RGB signals are generated in the RGB matrix circuit and the RGB selector, consisting of linear amplifiers, clamps and selects either the internal RGB signals or the external RGB signals input from pin **22** (R) , pin **23** (G), pin **24** (B). Selection is controlled by the voltage at the RGB switch control (pin **21**) and mixed RGB modes are possible since the RGB switching is fast.

The RGB switch also functions as a fast blanking pin by blanking the RGB output stages; here internal and external RGB signals are overruled.

The RGB signals for the on - screen display are superimposed onto the selected RGB signals at the base of transistors Q210, Q211 and Q212 respectively.

The saturation of colour gain is controlled by the DC voltage of pin **26**. ("COLOUR" control)

The contrast control voltage present at pin **25**, controls the RGB signal gain, and the brightness control voltage present at pin **17**, controls DC level of RGB signals.

The RGB signals are finally buffered before being presented to the RGB output pins [pin **20** (R), pin **19** (G), pin **18** (B)].

4. AUDIO OUTPUT

4-1 (AN5265)-Monaural model

The audio signal output from pin **50** of IC101 is inputted to pin **2** of IC171 and passes through the pre - amplifier circuit and the drive circuit into the audio amplifier. The audio amplifier is the SEPP (Single - Ended Push Pull) type and the output from pin **8** drives the speaker directly.

4-2 (TDA7263M)-Stereo model

The audio signals output from pins **17** and **18** of IC1101(MC44131PB) are inputted to pins **1**(Left) and **5**(Right) of IC1102 and passes through the pre - amplifier circuit and drive circuit, after which it is input to the audio amplifier. The audio amplifier is the SEPP (single - ended, push - pull) OTL type and the outputs from pins **8**(Right) and **10**(Left) drive the speakers directly.

5. VERTICAL OUTPUT

An LA7833 is used for the vertical output circuit in this chassis. The vertical ramp signal from pin **43** of IC101 is inputted to pin **4** of IC451. This ramp drives IC451, and vertical scanning is performed. In the first half of scanning a deflecting current is outputted from pin **2** and passes through the following path:

Vcc(B4) ⇨ D451 ⇨ pin 3 ⇨ pin 2 ⇨ DY ⇨ C461 ⇨ VR451/R459.

An electric charge is then stored in C461. In the last half of scanning the current path is:

C461 ⇨ DY ⇨ pin 2 ⇨ pin 1 ⇨ VR451/R459 ⇨ C461

In this way, an increasing sawtooth waveform current flows directly to the DY to perform electron beam deflection. During the first half of the blanking period the vertical ramp signal suddenly turns OFF. Since there is no longer any current flowing into the DY, the magnetic field collapses causing an induced current to flow as follows:

DY ⇨ pin 2 ⇨ pin 1 ⇨ VR451/R459 ⇨ C461 ⇨ DY

Once the magnetic field in DY has dissipated, the current path becomes:

Vcc ⇨ pin 6 ⇨ pin 7 ⇨ C452 ⇨ pin 3 ⇨ pin 2 ⇨ DY ⇨ C461 ⇨ VR451/R459

and when the prescribed current value is reached, the vertical drive ramp signal turns ON.

This completes one cycle.

6. HORIZONTAL OUTPUT

The horizontal oscillation signal is outputted from pin **37** of IC101 and used to switch the drive transistor Q431. This switching signal is current amplified by the drive transformer T431 and drives the output transistor Q432. When Q432 turns ON, an increasing current flows directly to the DY through

C441/C442 ⇨ L441/R441 ⇨ DY ⇨ Q432 - C ⇨ Q432 - E

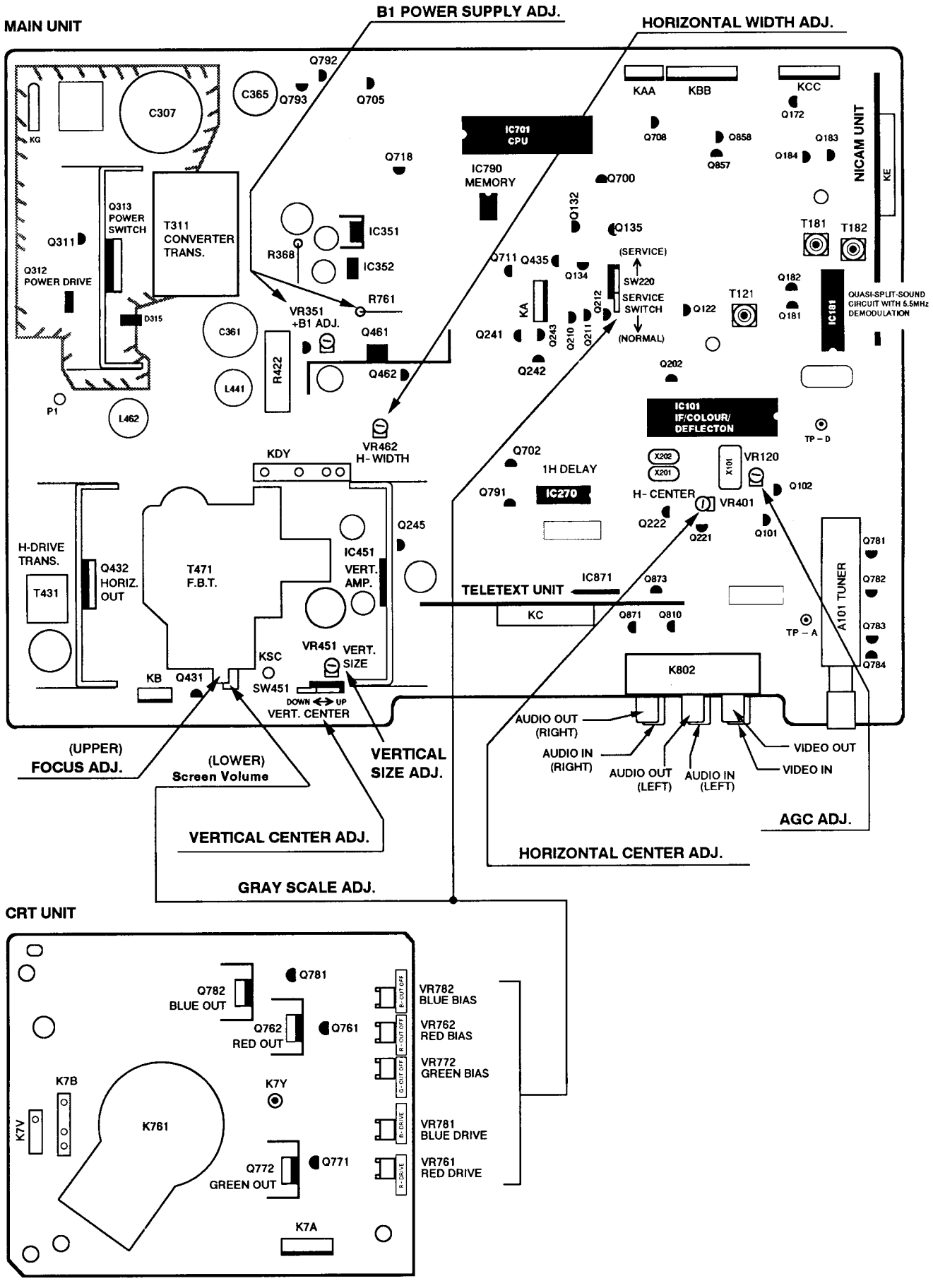
and the deflection occurs during the last half of the scanning period. When Q432 turns OFF, the magnetic field stored in the DY up to that point causes a resonant current to flow into the capacitors C420 and C423 and charges them.

The current stored in C420 and C423 then flows back to the DY causing an opposite magnetic field to be stored in the DY. This field then collapses increasing a current which switches the dumper diode in Q432 ON. The resonance state is completed, and an increasing current then flows again directly to the DY through the dumper diode.

By this means, the deflection in the first half of the scanning period is performed. When Q432 turns ON at the end of the first half of the scanning period, the deflection during the last half is begun, thus completing one cycle.

In the PCC circuit consisting of Q461 and Q462, the parabola signal supplied from the vertical circuit is added at the horizontal output stage and pincushion compensation is performed by varying the DC bias. Further, the ABL voltage is fedback to the base of Q462 to compensate for width variations due to variations in the beam current.

Service Adjustments



Service Adjustments

SAFETY PRECAUTIONS : An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.

X-RADIATION PRECAUTION The primary source of X-RADIATION in television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emission. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintain within specified limit. Refer to this service manual for specific high voltage limits. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for + B1 volt power supply adjustment, and high voltage check to maintain the high voltage within the specified limits.

AGC ADJUSTMENT

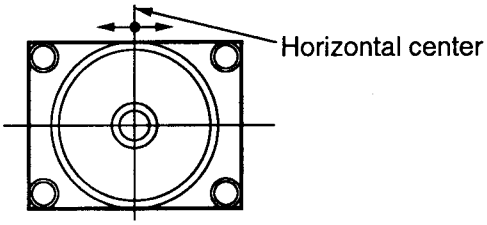
NOTE; Do not attempt this adjustment with weak signal.
(1) Tune the receiver to most clearest (or strongest) VHF station in your area. Set the brightness and contrast controls to maximum. Set the colour control to minimum.
(2) Set AGC (VR120) control to mid-range.
(3) Turn AGC control in direction which causes snow to appear, then in the opposite direction until the snow just disappears.

B1 POWER SUPPLY ADJUSTMENT

(1) Connect DC meter to R761(VR351 side) and the ground. Set the +B1 adjustment control (VR351) to mid-range.
(2) Set the brightness and contrast to normal. Tune the receiver to an active channel and synchronized picture.
(3) Adjust +B1 adjustment control(VR351) for 140 ± 0.5 volt DC.

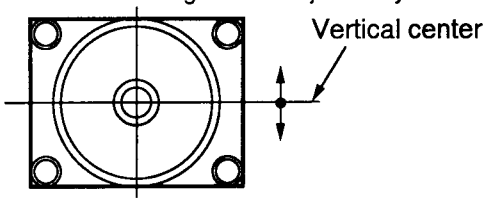
HORIZONTAL CENTER ADJUSTMENT

(1) Receive the monochrome circular pattern.
(2) Set the brightness and contrast to normal.
(3) Adjust VR401 for optimum horizontal center position.



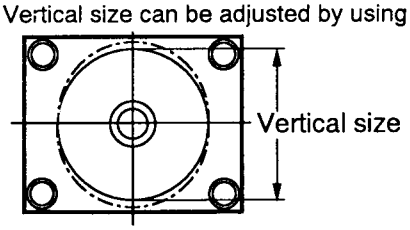
VERTICAL CENTER ADJUSTMENT

(1) Receive the monochrome circular pattern.
(2) Set the brightness and contrast to normal.
(3) Vertical centering can be adjusted by switching SW451.



VERTICAL SIZE ADJUSTMENT

(1) Receive the monochrome circular pattern.
(2) Set the brightness and contrast to normal.
(3) Vertical size can be adjusted by using VR451.



FOCUS ADJUSTMENT

(1) Receive the monochrome circular pattern.
(2) Set the brightness to normal and contrast to maximum.
(3) Adjust the focus control on the F.B.T for the best focus on the screen center.

GREY SCALE ADJUSTMENT

(1) Receiver the monochrome circular pattern.
(2) Set the brightness and the contrast to maximum.
(3) Set the drive volume (VR761 and VR781) at their mechanical center.
(4) Set the bias volume (VR762, VR772 and VR782) to minimum. (fully counter clockwise).
(5) Set the service switch (SW220) to the service side.
(6) Turn the screen volume on the FBT to obtain just visible one coloured line.
(7) Adjust each bias volume (VR782-blue, VR772-green and VR762-red) alternately until a dim white line produced.
(8) Set the service switch (SW220) to the normal side.
(9) Adjust the drive volume (VR781 - blue and VR761 - red) alternately to produce normal black and white picture.
(10)Check for proper grey scale tracking at all brightness levels.

NOTE : If the grey scale adjustment is made after picturetube replacement, check high voltage and sub-brightness adjustment.

H-WIDTH ADJUSTMENT

(1) Receive the monochrom circular pattern.
(2) Set the brightness and contrast to normal.
(3) If the picture is too wide or narrow, adjust the horizontal width using VR462.

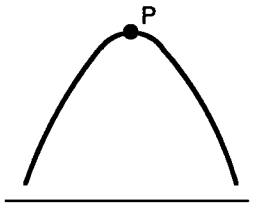
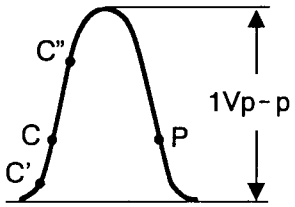
NOTE: The horiz. width adjustment affects the high voltage. Therefore, recheck the high voltage.

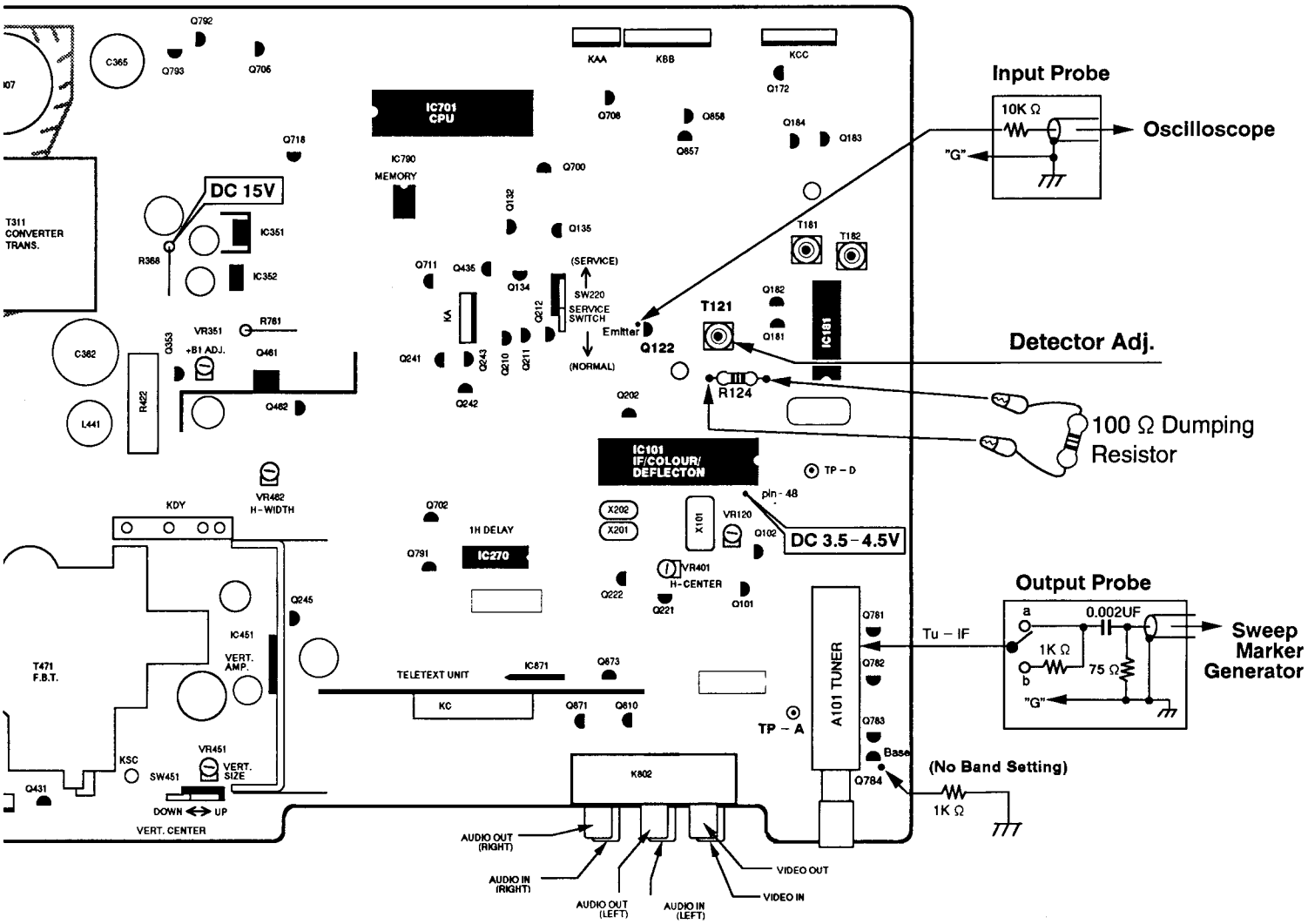
HIGH VOLTAGE CHECK

(1) Connect a high voltage probe to anode lead of the picture tube.
(2) Receive the monochrom circular pattern.
(3) Set the brightness and contrast to maximum.
(4) The high voltage must be between 28-30 ± 1KV.

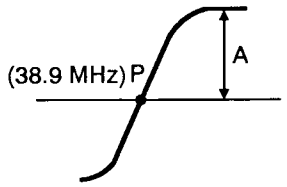
NOTE: If the picture tube is replaced, check the high voltage.

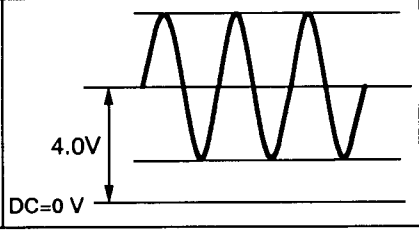
VIF Adjustment

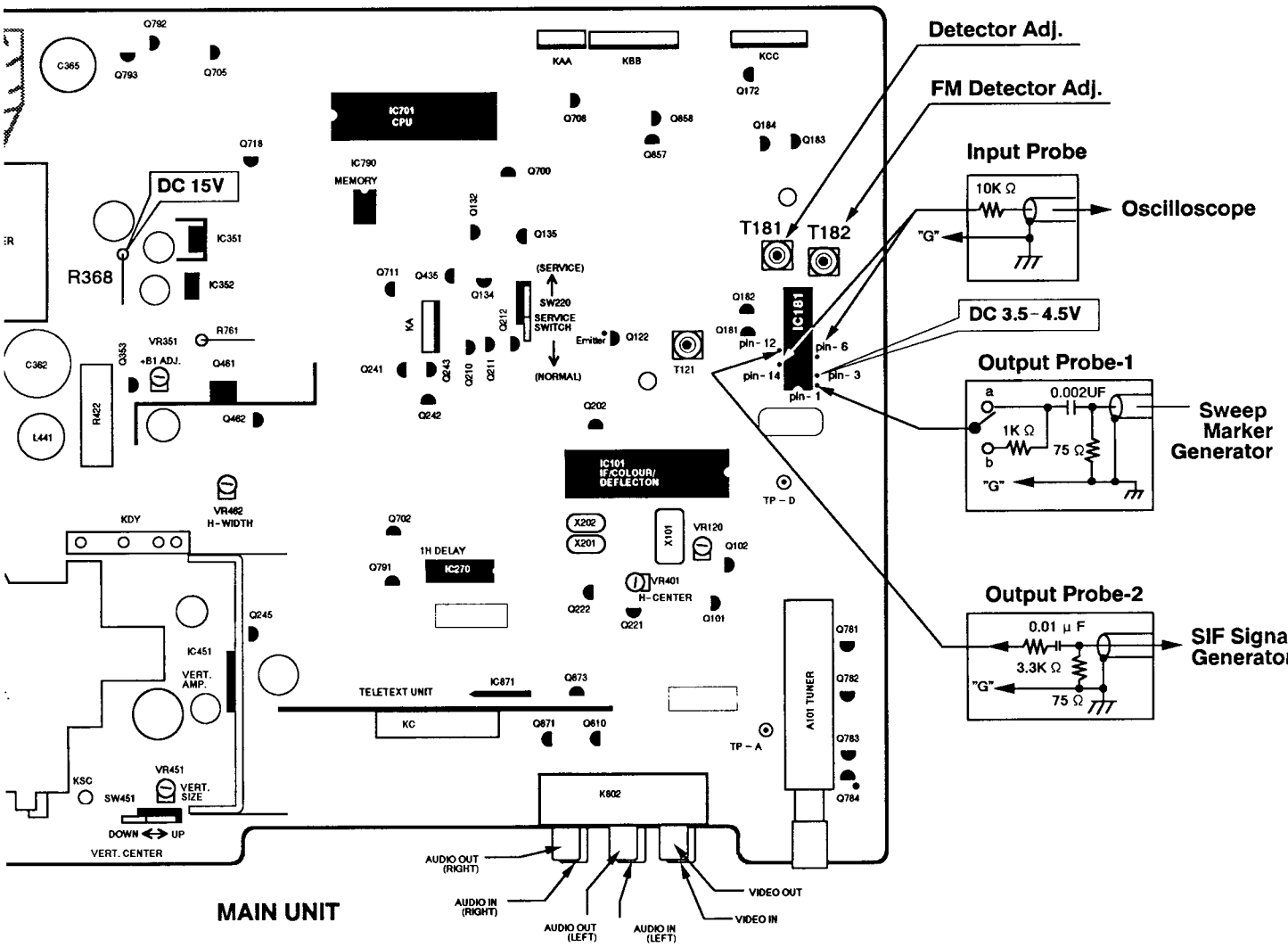
Item		Detector Adj.	Overall Waveform Adj.
Connection	DC 15V IF AGC(3.5-4.5V) BAND Output Probe Input Probe Ground	R368(C364 side) IC101-pin48 No band (Q784-Base ➡ Ground, through 1k Ω resistor) TUNER-IF Q122-Emitter TP-A	R368(C364 side) IC101-pin48 No band TUNER-IF Q122-Emitter TP-A 100 Ω Dumping Resistor ➡ R124
Condition	SIF System Sweep ATT. Output Probe Oscilloscope Sens.	any 18 dB side a 100mV/DIV	any 18 dB side a 100mV/DIV
Adjustment		Adjust P (38.9MHz) to be maximum amplitude by using T121.	Adjust the overall waveform level to become 1Vp – p with IF AGC VOLTAGE.
Waveform			



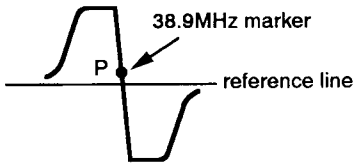
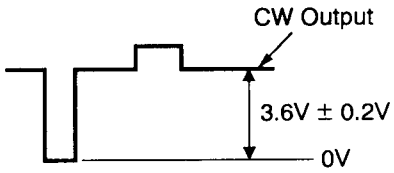
SIF Adjustment

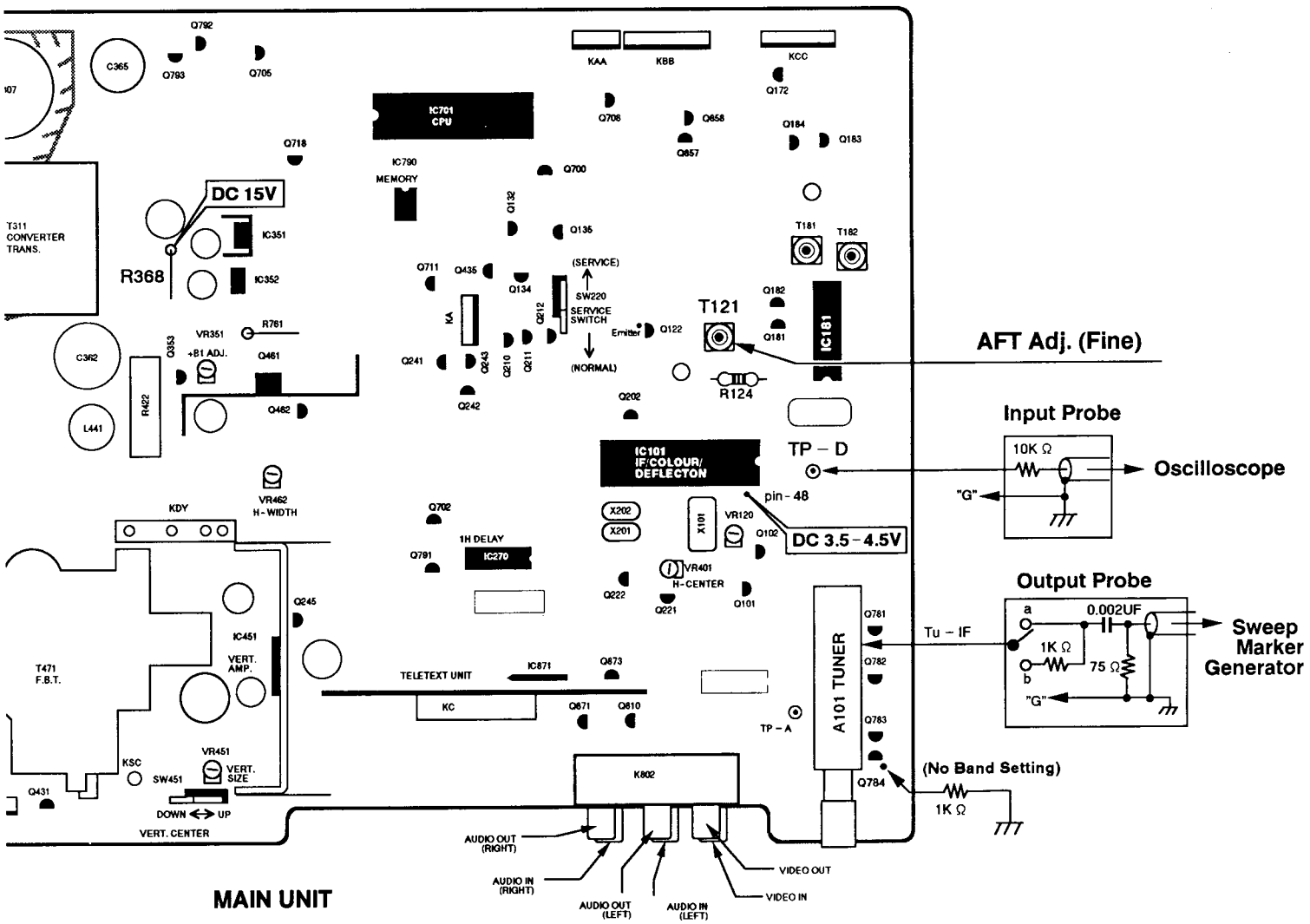
Item		Detector Adj.
Connection	DC 15V IF AGC(3.5-4.5V) Output Probe-1 Input Probe	R368(C364 side) IC181-pin 3 IC181-pin 1 IC181-pin 14
Condition	Sweep ATT. Output Probe Oscilloscope Sens.	31 dB side a 100mV/DIV
Adjustment		Adjust AGC voltage to be A=0.5Vp-p. By using T181, adjust P to be equal center line.
Waveform		

Item		FM Detector Adj.
Connection	DC 15V Output Probe-2 Input Probe	R368(C364 side) IC181-pin 12 IC181-pin 6
Condition	Carrier Freq. Mod. Freq Scope Sens.	5.74MHz 1KHz(sine wave) 1V/div
Adjustment		By using T182, adjust DC Voltage of sine wave to be 4.0V.
Waveform		



AFT Adjustment

Item		AFT Adj. (Rough)	AFT Adj. (Fine)
Connection	DC 15V IF AGC(3.5-4.5V) BAND Output Probe Input Probe	R368(C364 side) IC101-pin48 No band TUNER-IF TP-D	R368(C364 side) IC101-pin48 No band TUNER-IF TP-D
Condition	Sweep Att. SG Output Att. Output Probe Oscilloscope Sens.	26 dB 29 dB side a 1V/Div	26 dB 29 dB side a 1V/Div
Adjustment		Keep IF AGC voltage which was adjusted VIF adjustment. Conform the marker position P(38.9MHz) near by the Ref. line.	Set the VIF Adjustor Sweep off and Pix SG to CW output. By using T121, adjust DC voltage to be 3.6V ± 0.2V.
Waveform			



PURITY AND CONVERGENCE ADJUSTMENT

CAUTION:The Convergence and Purity adjustments have been made at the factory. Readjustment should be made only after picture tube or deflection yoke replacement, following the steps below:

PURITY ADJUSTMENT

1. Demagnetize the picture tube and receiver using an external degaussing coil. When replacing picture tube or deflection yoke, mount deflection yoke and purity - convergence magnets assembly properly, see figures 1 and 4.
2. Turn Red and Blue guns off and provide only Green raster. Rotate Screen control to fully counterclockwise. Rotate Red and Blue Bias controls fully counterclockwise. Slowly rotate Green Bias control clockwise to produce Green raster.
3. Loosen the screw holding the Deflection Yoke and remove the 3 Rubber Wedges, and slide the Deflection Yoke fully frontward.
4. Rotate and spread the Tabs of the two Purity Magnets to center the vertical green belt in the picture screen. The Purity Magnets are also adjusted to obtain vertical centering of the raster.
5. Slowly slide the Deflection Yoke backward until a uniform green screen is obtained.
6. Check the purity of the red and blue screens for uniformity, turn off other colours to check this (use bias controls). Readjust the yoke position if necessary until all screens are pure.
7. Adjust each Bias control and screen control to obtain white raster. Refer to Gray Scale Adjustment. If part of the picture screen is coloured, adjust the Deflection Yoke position forward or backward slightly.
8. Tighten the mounting screw of the Deflection Yoke. Adjust Convergence next.

CENTER CONVERGENCE ADJUSTMENT

1. Use a dot crosshatch pattern signal.
2. Turn Red and Blue guns on and turn off Green gun. Adjust the angle between the Tabs of the Four Pole Magnet 1and 2,and superimpose the Red and Blue vertical lines in the center area of the picture screen. Refer to figure 2.
3. Keeping the mutual angle of the Tabs of the Four Pole Magnet turn them together to superimpose the Blue and Red horizontal lines in the center area of the picture screen. Refer to figure 2.
4. Turn Green gun on and adjust Six Pole Magnet 3 and 4 s that the Green line superimposed on the Red/Blue lines.

This is the same procedure used in steps 2 and 3.
Refer to figure 3.

OUTER AREA CONVERGENCE ADJUSTMENT

Slightly loosen the screw holding the Deflection Yoke. Adjust the Deflection Yoke to converge the detail in the outer area (left side and right side) of the picture screen by orbital movement of the front of the Yoke, then secure the Deflection Yoke in appropriate position by putting the wedges as illustrated. Tighten screw holding the Deflection Yoke.

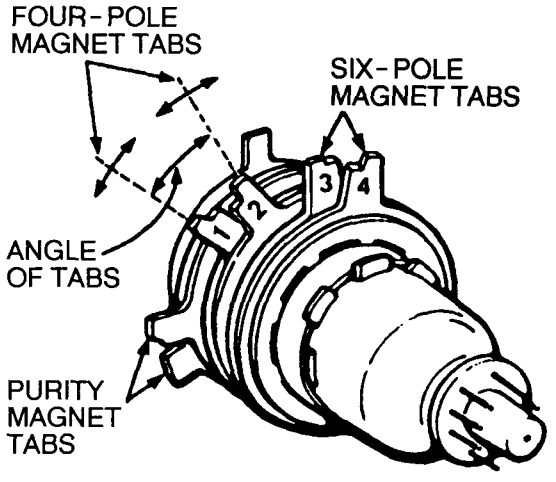


Figure-1. PURITY AND CONVERGENCE MAGNETS

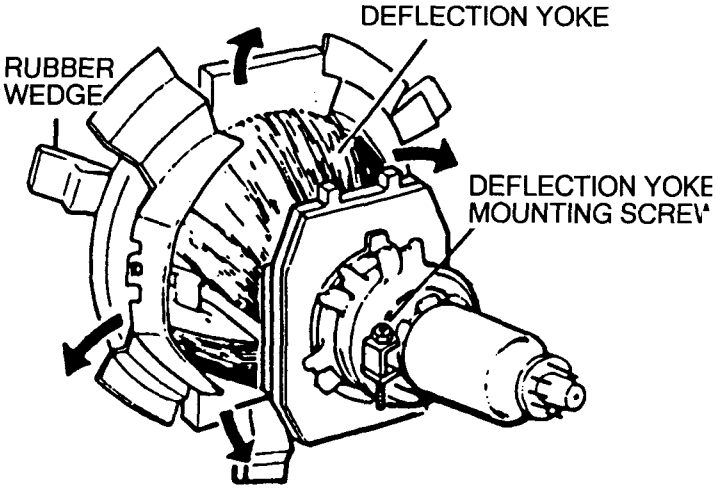


Figure-4. ADJUSTMENT DEFLECTION YOKE

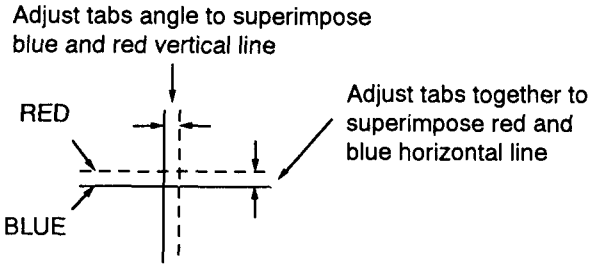


Figure-2 BLUE AND RED LINE MOVEMENT

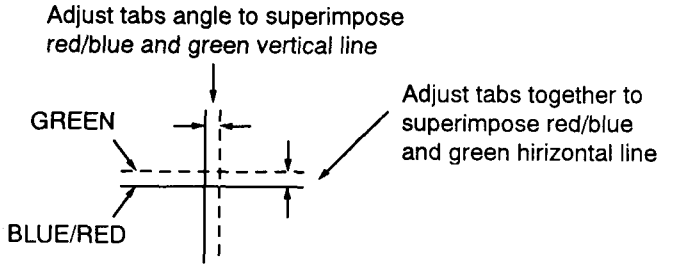
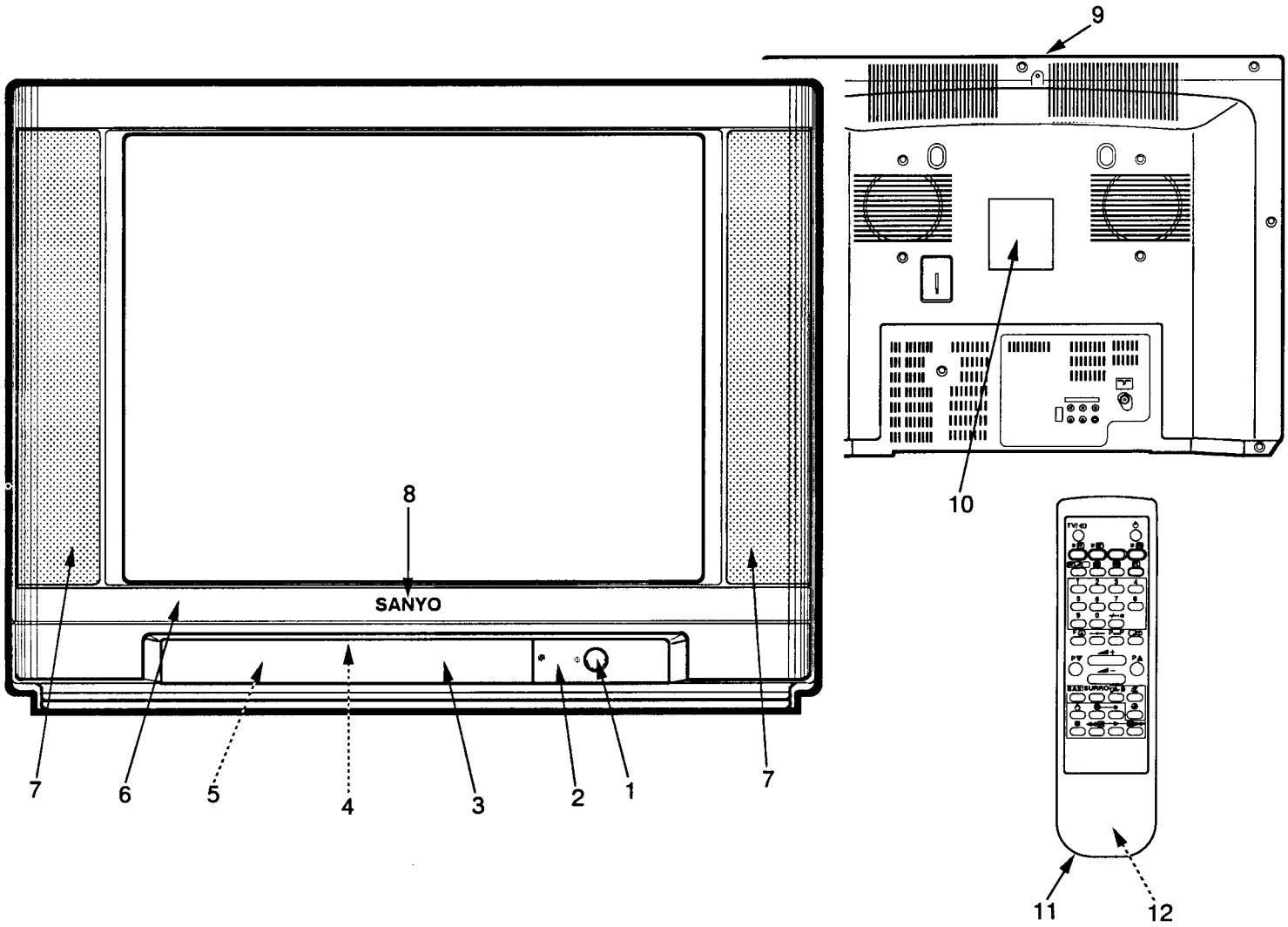


Figure-3 BLUE/RED AND GREEN LINE MOVEMENT

CABINET PARTS LIST

Note : Parts order must contain Service Ref. No.,Key No.,Parts No., and Description.



Key No.	Part No.	Description
1.	610 250 9274	POWER BUTTON
	610 229 8406	SPRING
2.	610 250 9304	DEC BOARD
3.	610 255 9484	DOOR
4.	610 104 2505	LATCH PUSH
5.	610 255 9521	DEC CONTROL SHEET
6.	610 253 8465	ASSY, CABINET FRONT
7.	610 253 2432	GRILLE SPEAKER
8.	610 232 9025	SANYO BADGE

Key No.	Part No.	Description
9.	610 255 9460	CABINET BACK
10.	610 255 9736	LABEL RATING
11.	645 008 9589	ASSY, REMOCON JXTD
12.	610 251 6890	RC BATTERY LID
	610 256 4686	INSTRUCTIONS MANUAL

Memory IC (IC790) Replacement (Important Note !)

When Memory IC (IC790) is replaced, it is necessary to make the initializing of IC790 as following procedure.

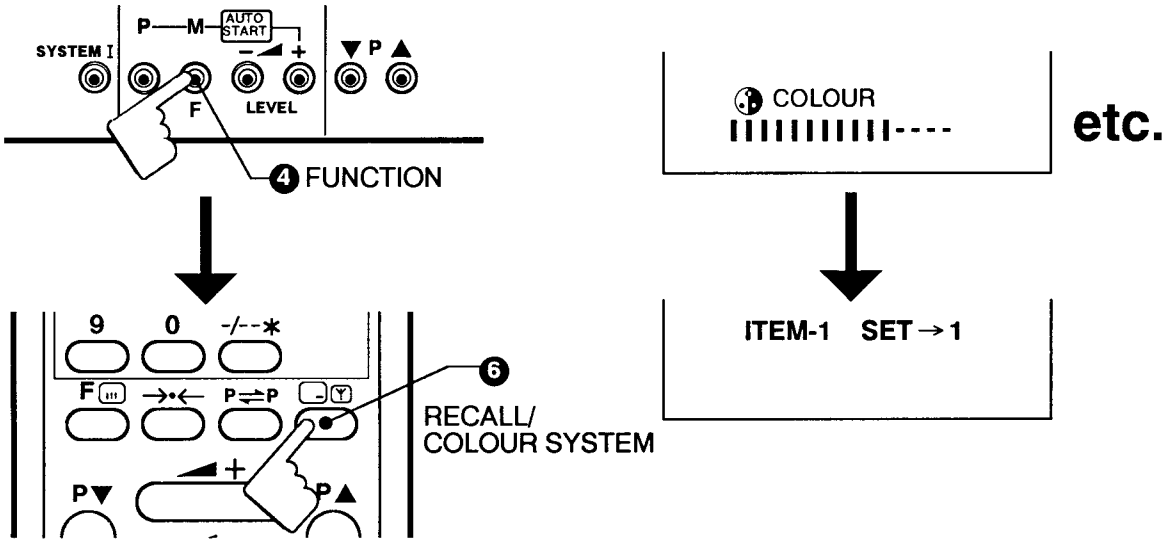
[A] Initializing of Memory IC

1 Switch off the TV set.

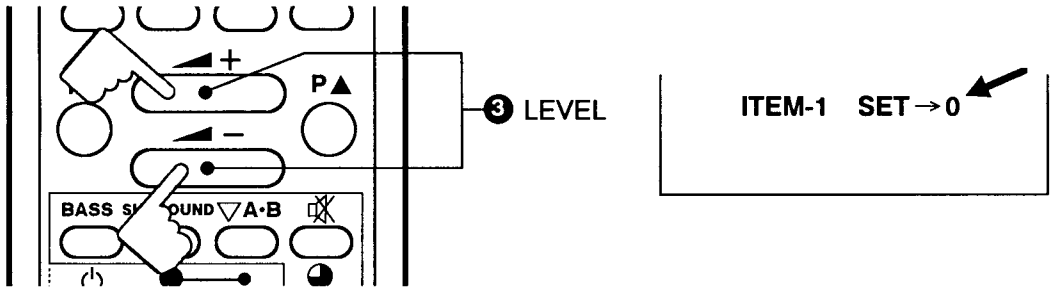
2 Replace IC790.

3 Switch on the TV set, and set to the TV mode.

4 Press and hold the FUNCTION ❹ button on the front control panel of the TV set, then press the RECALL/COLOUR SYSTEM ❻ button on the remote control transmitter.



5 If the setting data is " 1 ", select "0" by pressing LEVEL(+ or −) ❸ button.



6 Press the RECALL/COLOUR SYSTEM ❻ button to return to the normal TV mode.

The initializing is now completed.

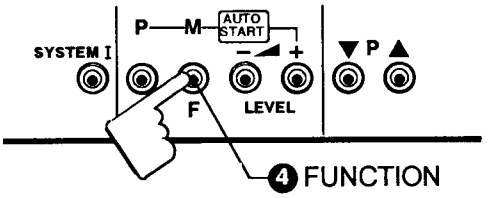
REMARKS: If there is mistaking the procedure, switch off the TV set and repeat steps (3) to (6).

7 Make the channel pre-setting operations to allocate the TV channels (Refer to the instruction manual of this TV set).

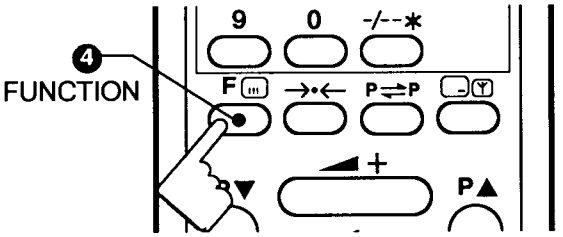
Memory IC (IC790) Replacement (Important Note !)

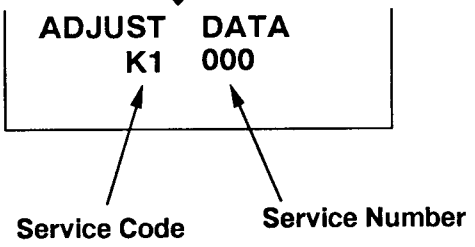
[B] Stereo separation setting

1 To enter the Service Mode, press and hold the FUNCTION ❹ button on the front control panel of the TV set, then press the FUNCTION ❹ button on the remote control transmitter.

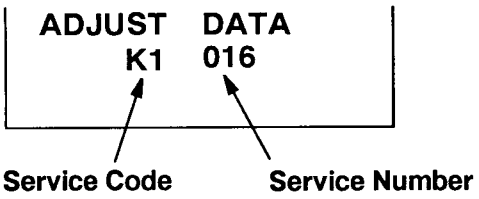


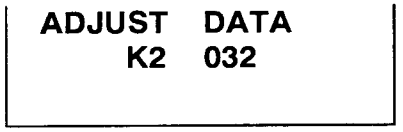
etc.





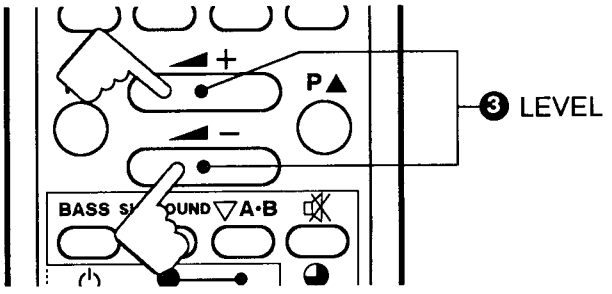
2 Set the service codes and numbers as follows.



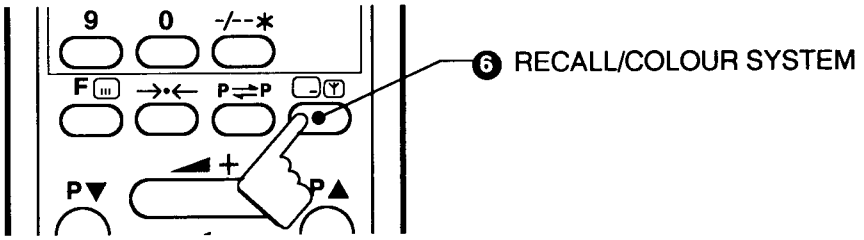


To change the service code, press the FUNCTION button ❹ .

To change the service number, press the LEVEL (+/ −) button ❸ .



3 Press the RECALL/COLOUR SYSTEM ❻ button to return to the normal TV mode.



4 Confirm the sound quality with stereo signal receiving.

CHASSIS ELECTRICAL PARTS LIST

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Part order must contain Service Ref. No.,Part No.,and descriptions. The main PCB unit will be supplied without tuner and flyback transformer. They should be ordered separately.

Read description in the Capacitor and Resister as follows:

CAPACITOR

CERAMIC 100P K 50V

- 50V — Rated Voltage
- K — Tolerance Symbols:

Less than 10PF

A: Not specified	B: ± 0.1PF	C: ± 0.25PF
D: ± 0.5PF	F: ± 1PF	G: ± 2PF
R: +0.25-0PF	S: +0-0.25PF	E: +0-1PF

More than 10PF

A: Not specified	B: ± 0.1%	C: ± 0.25%
D: ± 0.5%	F: ± 1%	G: ± 2%
H: ± 3%	J : ± 5%	K: ± 10%
L : ± 15%	M: ± 20%	N: ± 30%
P: +100-0%	Q: +30-10%	T: +50-10%
U: +75-10%	V: +20-10%	W: +100-10%
X: +40-20%	Y: +150-10%	Z: +80-20%

- 100P — Rated value:P=pico farad,U=Micro farad

Material :

CERAMIC.....Ceramic
MT-PAPER.....Metallized Paper
POLYESTER.....Polyester
MT-POLYEST.....Metallized Polyester
POLYPRO.....Polypropylene
MT-POLYPRO.....Metallized Polypropylene
COMPO FILM.....Composite film
MT-COMPO.....Metallized Cmposite
STYRENE.....Styrene
TA-SOLID.....Tantalum Solid
AL-SOLID.....Aluminium Solid
ELECT.....Electrolytic
NP-ELECT.....Non-polarized Electrolytic
OS-SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic
DL-ELECT.....Double Layered Electrolytic

RESISTOR

CARBON 4.7K J A 1/4W

- 1/4W — Rated Wattage
- A — Performance Symbols:
  A:General B:Non flammable Z:Low noise
  Other :Temperature coefficient
- J — Tolerance Symbols:
  A: ± 0.05% B: ± 0.1% C: ± 0.25% D: ± 0.5%
  F: ± 1% G: ± 2% J: ± 5% K: ± 10%
  M: ± 20% P:+5-15%
- 4.7K — Rated value, ohms:
  K:1,000, M:1,000,000

Material :

CARBON .....Carbon
MT-FILM.....Metal Film
OXIDE-MT .....Oxide Metal Film
SOLID .....Composition
MT-GLAZE .....Metal Glaze
WIRE WOUND .....Wire Wound
CERAMIC RES.....Ceramic
FUSIBLE RES .....Fusible

Ref. No.	Part No.	Description
	610 255 0993	ASSY, PWB, MAIN E8ZV 1AA0B10E11700
TRANSISTOR		
Q101	405 013 3305	TR 2SC2216(SAN)
Q102	405 016 6204	TR 2SC3000-D
	405 016 6402	TR 2SC3000-E
	405 016 6600	TR 2SC3000-F
Q122	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-O(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-O
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-O
	405 006 1806	TR 2SA933S-R
Q132	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-O(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-O
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-O
	405 006 1806	TR 2SA933S-R
Q134	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-O(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-O
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-O
	405 006 1806	TR 2SA933S-R
Q135	405 011 7305	TR 2SC1740-O
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-O
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q172	405 011 7305	TR 2SC1740-O
	405 011 7404	TR 2SC1740-R

Ref. No.	Part No.	Description
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q181	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q182	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q183	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q184	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP

Ref. No.	Part No.	Description
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q202	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q210	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q211	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q212	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q221	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q222	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q

Ref. No.	Part No.	Description
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q241	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q242	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q243	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q245	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q311	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q312	405 058 0208	TR 2SC3807-R-CTV-YA
Q313	405 095 0407	TR 2SC4429-L-YB
	405 095 0308	TR 2SC4429-M-YB
Q353	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q431	405 018 0507	TR 2SC3332-R
	405 018 0606	TR 2SC3332-S
Q432	405 082 2407	TR 2SD1879-CTV-YB
Q435	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q461	405 064 7307	TR 2SB1274-Q-RA
	405 064 7406	TR 2SB1274-R-RA
	405 064 7505	TR 2SB1274-S-RA
Q462	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q700	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q702	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y

Ref. No.	Part No.	Description
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q708	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q711	405 118 4207	TR PH2369
Q718	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q781	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q782	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q783	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q784	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q791	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q792	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q793	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q810	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA

Ref. No.	Part No.	Description
	405 020 7907	TR 2SC945A-RA
Q857	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q858	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
	405 006 1707	TR 2SA933S-Q
	405 006 1806	TR 2SA933S-R
Q871	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q873	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
INTEGRATED CIRCUIT		
IC101	409 309 6209	IC TDA8361/N3
IC181	409 333 3601	IC TDA2546A/V4
IC270	409 322 0505	IC TDA4662/V1
IC351	409 143 3402	IC AN78M12 LB
	409 026 9507	IC L78M12-RA
IC352	409 285 5203	IC L78M08-RA
IC451	409 192 5709	IC LA7833
IC701	410 226 8108	IC M37210M4-526SP
IC790	409 270 0008	IC ST24C01B1
	409 347 2201	IC ST24C01CB1
	409 307 1701	IC 24C01A/P
	409 321 0902	IC 24LC01B/P
IC871	409 018 7603	IC LA7016
CAPACITOR		
C101	403 043 0202	ELECT 220U M 16V
C103	403 046 9905	ELECT 4.7U M 25V
C104	403 046 9905	ELECT 4.7U M 25V
C105	403 049 0008	ELECT 1U M 50V
C106	403 046 9905	ELECT 4.7U M 25V
C113	403 069 8305	CERAMIC 0.01U Z 50V
C114	403 069 8305	CERAMIC 0.01U Z 50V
C115	403 069 8305	CERAMIC 0.01U Z 50V
C117	403 043 9106	ELECT 47U M 16V
C119	403 010 6107	CERAMIC 12P J 50V
C121	403 062 0504	POLYESTER 0.047U K 50V
	403 179 0909	POLYESTER 0.047U K 50V
C122	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C123	403 041 8804	ELECT 10U M 16V
C126	403 068 9006	CERAMIC 100P K 50V
C127	403 069 0507	CERAMIC 1000P K 50V
C128	403 049 9803	ELECT 2.2U M 50V
C129	403 028 2009	CERAMIC 56P J 50V
C130	403 069 8305	CERAMIC 0.01U Z 50V
C131	403 043 9106	ELECT 47U M 16V
C132	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C134	403 069 0507	CERAMIC 1000P K 50V
C135	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C136	403 044 1703	ELECT 470U M 16V
C137	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C138	403 049 0008	ELECT 1U M 50V
C140	403 069 8305	CERAMIC 0.01U Z 50V
C143	403 011 3402	CERAMIC 120P J 50V
C145	403 022 5907	CERAMIC 33P J 50V
C147	403 009 3001	CERAMIC 100P J 50V
C178	403 046 3507	ELECT 33U M 25V
C180	403 041 8804	ELECT 10U M 16V
C181	403 073 8308	CERAMIC 4700P K 50V
C182	403 069 8305	CERAMIC 0.01U Z 50V
C183	403 069 8305	CERAMIC 0.01U Z 50V
C184	403 069 8305	CERAMIC 0.01U Z 50V
C185	403 028 2009	CERAMIC 56P J 50V
C186	403 013 1604	CERAMIC 150P J 50V
C188	403 260 2904	MT-COMPO 0.33U J 50V
C190	403 069 8305	CERAMIC 0.01U Z 50V
C200	403 014 0200	CERAMIC 18P J 50V
C201	403 014 0200	CERAMIC 18P J 50V
C202	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C203	403 061 8303	POLYESTER 4700P K 50V
	403 179 1104	POLYESTER 4700P K 50V
C204	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C205	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C206	403 046 9905	ELECT 4.7U M 25V
C207	403 049 9803	ELECT 2.2U M 50V
C208	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C209	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C210	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C211	403 049 9803	ELECT 2.2U M 50V
C215	403 270 3908	MT-POLYEST 0.47U K 63V
	403 256 0808	MT-COMPO 0.47U J 50V
C216	403 270 2901	MT-POLYEST 0.1U K 63V

Ref. No.	Part No.	Description
	403 237 8007	MT-COMPO 0.1U J 50V
C221	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C231	404 045 7701	NP-ELECT 2.2U M 50V
C242	403 069 8305	CERAMIC 0.01U Z 50V
C270	403 059 6205	POLYESTER 0.022U K 50V
	403 179 2408	POLYESTER 0.022U K 50V
C271	403 069 0507	CERAMIC 1000P K 50V
C272	403 069 0507	CERAMIC 1000P K 50V
C275	403 041 8804	ELECT 10U M 16V
C307	404 047 1608	ELECT 270U M 400V
C314	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C315	403 056 9704	POLYESTER 0.01U J 50V
	403 178 9309	POLYESTER 0.01U J 50V
C316	403 167 8702	CERAMIC 2200P K 2K
	403 186 2002	CERAMIC 2200P K 2K
C317	403 058 3403	POLYESTER 0.015U K 50V
	403 179 3108	POLYESTER 0.015U K 50V
C331	404 060 6505	CERAMIC 2200P M 400V
	404 060 6604	CERAMIC 2200P M 400V
C351	403 165 9305	CERAMIC 680P K 1K
	403 185 9101	CERAMIC 680P K 1K
C354	403 262 4005	CERAMIC 390P K 1K
C361	404 055 9801	ELECT 220U M 200V
C363	403 148 2002	ELECT 470U M 35V
C364	403 148 0404	ELECT 1000U M 25V
C365	403 053 3606	ELECT 2200U M 35V
C371	403 148 0305	ELECT 470U M 16V
C372	403 148 0305	ELECT 470U M 16V
C401	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C402	403 062 0504	POLYESTER 0.047U K 50V
	403 179 0909	POLYESTER 0.047U K 50V
C403	403 061 8303	POLYESTER 4700P K 50V
	403 179 1104	POLYESTER 4700P K 50V
C404	403 086 2300	NP-ELECT 1U M 50V
C405	403 060 0704	POLYESTER 2700P K 50V
	403 179 2200	POLYESTER 2700P K 50V
C406	403 059 6205	POLYESTER 0.022U K 50V
	403 179 2408	POLYESTER 0.022U K 50V
C407	403 042 2405	ELECT 100U M 16V
C420	404 066 5809	MT-POLYPRO 7200P J 1.5K
	404 054 7907	MT-POLYPRO 7200P J 1.5K
C421	403 042 4805	ELECT 1000U M 16V
C423	404 061 0700	MT-POLYPRO 7500P J 1.5K
	404 046 8509	MT-POLYPRO 7500P J 1.5K
C424	403 083 5304	POLYPRO 0.033U J 400V
C425	403 083 4307	POLYPRO 0.022U J 400V
C426	403 066 6106	MT-POLYEST 0.47U J 250V
C431	403 062 7107	POLYESTER 0.056U K 50V
	403 179 0503	POLYESTER 0.056U K 50V
C432	403 075 7101	CERAMIC 1000P K 500V
C433	403 076 3102	CERAMIC 3900P K 500V
C434	403 054 0703	ELECT 47U M 35V
C438	403 043 6006	ELECT 330U M 16V
C441	403 082 9006	POLYPRO 0.27U J 200V
C442	403 082 8009	POLYPRO 0.2U J 200V
C451	403 052 8503	ELECT 1000U M 35V
C452	403 053 2104	ELECT 220U M 35V
C453	403 023 9706	CERAMIC 39P J 50V
C454	403 069 8305	CERAMIC 0.01U Z 50V
C455	403 076 3607	CERAMIC 470P K 500V
C456	403 050 2800	ELECT 22U M 50V
C459	403 102 8408	MT-POLYEST 0.1U K 100V
C461	403 046 8007	ELECT 3300U M 25V
C462	403 049 0008	ELECT 1U M 50V
C463	403 102 8408	MT-POLYEST 0.1U K 100V
C464	403 048 6308	ELECT 0.47U M 50V
C465	403 066 0104	MT-POLYEST 2.2U K 100V
C466	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C467	403 040 3701	ELECT 220U M 10V
C468	403 045 5809	ELECT 22U M 25V
C469	403 049 4204	ELECT 10U M 50V
C470	403 069 8305	CERAMIC 0.01U Z 50V
C486	403 106 4604	ELECT 33U M 250V
C701	403 046 9905	ELECT 4.7U M 25V
C707	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C708	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C711	403 046 9905	ELECT 4.7U M 25V
C712	403 049 0008	ELECT 1U M 50V
C713	403 049 0008	ELECT 1U M 50V
C715	403 051 0607	ELECT 4.7U M 50V
C716	403 051 0607	ELECT 4.7U M 50V
C717	403 068 9006	CERAMIC 100P K 50V
C718	403 069 8305	CERAMIC 0.01U Z 50V
C721	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C722	403 043 9106	ELECT 47U M 16V
C723	403 026 0700	CERAMIC 47P J 50V
C724	403 026 0700	CERAMIC 47P J 50V
C727	403 270 2901	MT-POLYEST 0.1U K 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C729	403 041 8804	ELECT 10U M 16V
C733	403 069 8305	CERAMIC 0.01U Z 50V
C744	403 028 1606	CERAMIC 56P J 50V
C781	403 071 5606	CERAMIC 220P K 50V
C782	403 071 5606	CERAMIC 220P K 50V
C791	403 214 5203	POLYESTER 0.012U J 50V
	403 178 9408	POLYESTER 0.012U J 50V
C802	403 041 8804	ELECT 10U M 16V
C806	403 041 8804	ELECT 10U M 16V
C811	403 041 8804	ELECT 10U M 16V
C819	403 041 8804	ELECT 10U M 16V
C820	403 041 8804	ELECT 10U M 16V
C822	403 041 8804	ELECT 10U M 16V
C871	403 041 8804	ELECT 10U M 16V
C872	403 041 8804	ELECT 10U M 16V
C873	403 041 8804	ELECT 10U M 16V
RESISTOR		
R103	401 012 4503	CARBON 100 JA 1/4W
R104	401 027 2600	CARBON 5.6K JA 1/6W
R105	401 024 7004	CARBON 1K JA 1/6W
R106	401 025 7409	CARBON 220 JA 1/6W
R107	401 027 2105	CARBON 56 JA 1/6W
R108	401 026 3905	CARBON 330 JA 1/6W
R116	401 026 9303	CARBON 47 JA 1/6W
R121	401 027 5908	CARBON 68K JA 1/6W
R123	401 025 8703	CARBON 220K JA 1/6W
R124	401 027 5502	CARBON 6.8K JA 1/6W
R125	401 025 3807	CARBON 180 JA 1/6W
R126	401 027 2600	CARBON 5.6K JA 1/6W
R127	401 024 6700	CARBON 100 JA 1/6W
R128	401 027 2600	CARBON 5.6K JA 1/6W
R129	401 024 7400	CARBON 10K JA 1/6W
R131	401 027 5502	CARBON 6.8K JA 1/6W
R132	401 027 0309	CARBON 47K JA 1/6W
R133	401 025 3807	CARBON 180 JA 1/6W
R134	401 024 7004	CARBON 1K JA 1/6W
R137	401 016 2604	CARBON 220 JA 1/4W
R138	401 026 6609	CARBON 390 JA 1/6W
R140	401 024 7004	CARBON 1K JA 1/6W
R141	401 024 7004	CARBON 1K JA 1/6W
R142	401 027 8602	CARBON 8.2K JA 1/6W
R144	401 027 8305	CARBON 820 JA 1/6W
R145	401 027 5007	CARBON 68 JA 1/6W

Ref. No.	Part No.	Description		
R151	401 026 6609	CARBON	390 JA	1/6W
R152	401 024 7004	CARBON	1K JA	1/6W
R175	401 026 9907	CARBON	4.7K JA	1/6W
R177	401 027 0309	CARBON	47K JA	1/6W
R179	401 025 7805	CARBON	2.2K JA	1/6W
R181	401 027 8305	CARBON	820 JA	1/6W
R182	401 027 2303	CARBON	560 JA	1/6W
R183	401 027 8305	CARBON	820 JA	1/6W
R184	401 027 2303	CARBON	560 JA	1/6W
R186	401 024 9305	CARBON	1.2K JA	1/6W
R187	401 024 7004	CARBON	1K JA	1/6W
R188	401 024 7004	CARBON	1K JA	1/6W
R189	401 024 6700	CARBON	100 JA	1/6W
R202	401 024 7707	CARBON	100K JA	1/6W
R203	401 024 6700	CARBON	100 JA	1/6W
R204	401 024 6700	CARBON	100 JA	1/6W
R205	401 024 6700	CARBON	100 JA	1/6W
R210	401 024 7004	CARBON	1K JA	1/6W
R211	401 024 7004	CARBON	1K JA	1/6W
R212	401 024 7004	CARBON	1K JA	1/6W
R213	401 024 7400	CARBON	10K JA	1/6W
R215	401 025 4200	CARBON	1.8K JA	1/6W
R219	401 026 6609	CARBON	390 JA	1/6W
R221	401 027 0309	CARBON	47K JA	1/6W
R222	401 025 1902	CARBON	15K JA	1/6W
R223	401 027 0309	CARBON	47K JA	1/6W
R224	401 025 1902	CARBON	15K JA	1/6W
R228	401 026 9907	CARBON	4.7K JA	1/6W
R229	401 026 9907	CARBON	4.7K JA	1/6W
R231	401 013 7305	CARBON	120K JA	1/4W
R232	401 024 7004	CARBON	1K JA	1/6W
R234	401 024 7400	CARBON	10K JA	1/6W
R235	401 026 4605	CARBON	33K JA	1/6W
R241	401 024 7400	CARBON	10K JA	1/6W
R242	401 024 7400	CARBON	10K JA	1/6W
R243	401 024 7004	CARBON	1K JA	1/6W
R244	401 026 4308	CARBON	3.3K JA	1/6W
R245	401 024 9305	CARBON	1.2K JA	1/6W
R246	401 024 7004	CARBON	1K JA	1/6W
R247	401 027 5908	CARBON	68K JA	1/6W
R248	401 024 7400	CARBON	10K JA	1/6W
R275	401 025 7409	CARBON	220 JA	1/6W
R311	401 027 2600	CARBON	5.6K JA	1/6W
R315	401 025 8208	CARBON	22K JA	1/6W
R317	401 012 5708	CARBON	1K JA	1/4W
R319	401 019 9600	CARBON	47 JA	1/4W
R320	401 007 5805	CARBON	120K JA	1/2W
R321	401 007 5805	CARBON	120K JA	1/2W
R322	401 014 5201	CARBON	15K JA	1/4W
R323	401 026 1000	CARBON	2.7K JA	1/6W
R324	401 068 2607	OXIDE-MT	47 JA	2W
R325	401 069 0305	OXIDE-MT	6.8 JA	2W
R326	401 018 3401	CARBON	3.3K GA	1/4W
⚠R331	402 000 8305	SOLID	5.6M KA	1/2W
⚠R332	402 000 8305	SOLID	5.6M KA	1/2W
R352	401 014 6109	CARBON	150K JA	1/4W
R353	401 027 4307	CARBON	6.2K JA	1/6W
R354	401 015 4708	CARBON	180K JA	1/4W
R355	401 011 2708	CARBON	68K JA	1/2W
R356	401 025 8208	CARBON	22K JA	1/6W
R360	401 057 5107	OXIDE-MT	0.47 JA	1W
R361	401 024 7400	CARBON	10K JA	1/6W
R362	402 067 3404	WIRE WOUND	5.6 KA	5W
R363	401 064 6104	OXIDE-MT	10 JA	2W
R364	401 069 5607	OXIDE-MT	8.2 JA	2W
R368	401 066 9004	OXIDE-MT	27 JA	2W
R385	401 026 9600	CARBON	470 JA	1/6W
R401	401 024 6700	CARBON	100 JA	1/6W
R402	401 024 8001	CARBON	1M JA	1/6W
R403	401 024 6700	CARBON	100 JA	1/6W
R404	401 025 8208	CARBON	22K JA	1/6W
R405	401 024 6700	CARBON	100 JA	1/6W
R406	401 026 7606	CARBON	390K JA	1/6W
R407	401 025 8208	CARBON	22K JA	1/6W
R408	401 024 6700	CARBON	100 JA	1/6W
R409	401 026 9907	CARBON	4.7K JA	1/6W
R410	401 025 8208	CARBON	22K JA	1/6W
R420	401 024 7400	CARBON	10K JA	1/6W
R422	402 067 3404	WIRE WOUND	5.6 KA	5W
R431	401 026 3905	CARBON	330 JA	1/6W
R432	401 024 7004	CARBON	1K JA	1/6W
R433	401 007 1104	CARBON	1K JA	1/2W
R434	401 067 5104	OXIDE-MT	330 JA	2W
R436	401 025 1902	CARBON	15K JA	1/6W
R441	401 064 8603	OXIDE-MT	1K JA	2W
R445	401 024 7400	CARBON	10K JA	1/6W
R446	401 024 7004	CARBON	1K JA	1/6W
R447	401 026 6609	CARBON	390 JA	1/6W
R449	401 062 0302	OXIDE-MT	47 JA	1W
R452	401 025 7805	CARBON	2.2K JA	1/6W
R453	401 026 4308	CARBON	3.3K JA	1/6W
R454	401 025 3609	CARBON	18 JA	1/6W
R455	401 024 9305	CARBON	1.2K JA	1/6W
R456	401 026 9907	CARBON	4.7K JA	1/6W
R457	401 024 7004	CARBON	1K JA	1/6W
R458	610 032 4381	FILTER COIL		
R459	401 057 6708	OXIDE-MT	0.68 JA	1W
R460	401 065 6509	OXIDE-MT	150 JA	2W
R461	401 058 3607	OXIDE-MT	1K JA	1W
R462	401 024 9305	CARBON	1.2K JA	1/6W
R463	401 026 1000	CARBON	2.7K JA	1/6W
R467	401 025 0202	CARBON	1.2M JA	1/6W
R468	401 025 4200	CARBON	1.8K JA	1/6W
R469	401 027 5908	CARBON	68K JA	1/6W
R471	401 025 1605	CARBON	1.5K JA	1/6W
R472	401 027 0309	CARBON	47K JA	1/6W
R473	401 027 5205	CARBON	680 JA	1/6W
R474	401 007 1104	CARBON	1K JA	1/2W
R475	401 009 5803	CARBON	330 JA	1/2W
R476	401 025 7805	CARBON	2.2K JA	1/6W
R477	401 027 2600	CARBON	5.6K JA	1/6W
R479	401 025 7805	CARBON	2.2K JA	1/6W
R480	401 027 0309	CARBON	47K JA	1/6W
R481	401 066 3002	OXIDE-MT	2.2 JA	2W
⚠R485	401 015 4708	CARBON	180K JA	1/4W
R486	401 027 2600	CARBON	5.6K JA	1/6W
R488	401 006 9408	CARBON	10 JB	1/2W
R700	401 027 2600	CARBON	5.6K JA	1/6W
R701	401 024 7400	CARBON	10K JA	1/6W
R702	401 026 4308	CARBON	3.3K JA	1/6W
R704	401 026 7002	CARBON	3.9K JA	1/6W
R705	401 026 4308	CARBON	3.3K JA	1/6W
R706	401 027 2600	CARBON	5.6K JA	1/6W
R710	401 024 7400	CARBON	10K JA	1/6W
R711	401 024 7400	CARBON	10K JA	1/6W
R712	401 024 7004	CARBON	1K JA	1/6W
R713	401 027 5502	CARBON	6.8K JA	1/6W
R714	401 024 9701	CARBON	12K JA	1/6W
R715	401 025 8208	CARBON	22K JA	1/6W
R716	401 025 8208	CARBON	22K JA	1/6W
R717	401 024 9305	CARBON	1.2K JA	1/6W
R718	401 025 1902	CARBON	15K JA	1/6W
R720	401 024 7400	CARBON	10K JA	1/6W
R721	401 026 4605	CARBON	33K JA	1/6W
R722	401 024 7400	CARBON	10K JA	1/6W
R723	401 024 7004	CARBON	1K JA	1/6W
R724	401 024 7400	CARBON	10K JA	1/6W
R726	401 024 7400	CARBON	10K JA	1/6W
R727	401 026 4605	CARBON	33K JA	1/6W
R732	401 024 9305	CARBON	1.2K JA	1/6W

Ref. No.	Part No.	Description
R733	401 024 9701	CARBON 12K JA 1/6W
R734	401 026 9907	CARBON 4.7K JA 1/6W
R735	401 027 8602	CARBON 8.2K JA 1/6W
R736	401 025 1605	CARBON 1.5K JA 1/6W
R737	401 026 4308	CARBON 3.3K JA 1/6W
R739	401 024 7400	CARBON 10K JA 1/6W
R740	401 024 7400	CARBON 10K JA 1/6W
R741	401 026 4605	CARBON 33K JA 1/6W
R743	401 024 6700	CARBON 100 JA 1/6W
R744	401 026 7002	CARBON 3.9K JA 1/6W
R745	401 024 6700	CARBON 100 JA 1/6W
R746	401 026 7002	CARBON 3.9K JA 1/6W
R747	401 025 1902	CARBON 15K JA 1/6W
R748	401 025 1902	CARBON 15K JA 1/6W
R749	401 025 1902	CARBON 15K JA 1/6W
R750	401 024 7004	CARBON 1K JA 1/6W
R755	401 024 6700	CARBON 100 JA 1/6W
R756	401 024 6700	CARBON 100 JA 1/6W
R758	401 027 2600	CARBON 5.6K JA 1/6W
R759	401 025 7805	CARBON 2.2K JA 1/6W
R761	401 064 9907	OXIDE-MT 10K JA 2W
R763	401 025 1902	CARBON 15K JA 1/6W
R764	401 025 4903	CARBON 180K JA 1/6W
R765	401 024 7400	CARBON 10K JA 1/6W
R767	401 024 6700	CARBON 100 JA 1/6W
R768	401 026 9600	CARBON 470 JA 1/6W
R771	401 025 8208	CARBON 22K JA 1/6W
R772	401 024 7004	CARBON 1K JA 1/6W
R773	401 024 7400	CARBON 10K JA 1/6W
R776	401 024 7707	CARBON 100K JA 1/6W
R777	401 026 9907	CARBON 4.7K JA 1/6W
R778	401 026 9907	CARBON 4.7K JA 1/6W
R780	401 025 2305	CARBON 150K JA 1/6W
R781	401 027 0309	CARBON 47K JA 1/6W
R782	401 027 0309	CARBON 47K JA 1/6W
R783	401 027 0309	CARBON 47K JA 1/6W
R784	401 027 5908	CARBON 68K JA 1/6W
R786	401 027 0309	CARBON 47K JA 1/6W
R787	401 024 7400	CARBON 10K JA 1/6W
R788	401 026 4308	CARBON 3.3K JA 1/6W
R790	401 026 4605	CARBON 33K JA 1/6W
R792	401 025 1902	CARBON 15K JA 1/6W
R794	401 027 0309	CARBON 47K JA 1/6W
R795	401 026 9907	CARBON 4.7K JA 1/6W
R796	401 026 1000	CARBON 2.7K JA 1/6W
R797	401 026 4605	CARBON 33K JA 1/6W
R798	401 024 7400	CARBON 10K JA 1/6W
R799	401 025 1605	CARBON 1.5K JA 1/6W
R800	401 027 2303	CARBON 560 JA 1/6W
R801	401 024 7707	CARBON 100K JA 1/6W
R805	401 027 5502	CARBON 6.8K JA 1/6W
R806	401 027 8602	CARBON 8.2K JA 1/6W
R807	401 024 7707	CARBON 100K JA 1/6W
R808	401 025 7805	CARBON 2.2K JA 1/6W
R809	401 027 2303	CARBON 560 JA 1/6W
R810	401 024 7707	CARBON 100K JA 1/6W
R814	401 027 5502	CARBON 6.8K JA 1/6W
R817	401 025 7805	CARBON 2.2K JA 1/6W
R818	401 027 6608	CARBON 75 JA 1/6W
R829	401 026 9600	CARBON 470 JA 1/6W
R832	401 027 6608	CARBON 75 JA 1/6W
R837	401 027 6608	CARBON 75 JA 1/6W
R845	401 024 7004	CARBON 1K JA 1/6W
R846	401 024 9305	CARBON 1.2K JA 1/6W
R849	401 026 4308	CARBON 3.3K JA 1/6W
R851	401 024 7707	CARBON 100K JA 1/6W
R852	401 027 6608	CARBON 75 JA 1/6W
R853	401 027 6608	CARBON 75 JA 1/6W
R861	401 027 9005	CARBON 82K JA 1/6W
R864	401 027 9005	CARBON 82K JA 1/6W
R872	401 026 9600	CARBON 470 JA 1/6W
R873	401 026 9600	CARBON 470 JA 1/6W
R874	401 024 7400	CARBON 10K JA 1/6W
R878	401 024 7004	CARBON 1K JA 1/6W
R883	401 026 1000	CARBON 2.7K JA 1/6W
R884	401 024 7004	CARBON 1K JA 1/6W
R885	401 024 7004	CARBON 1K JA 1/6W
VARIABLE RESISTOR		
VR120	610 237 8726	VR B-10K
	610 239 7550	VR B-10K
VR351	610 237 8702	VR B-2.2K
	610 239 7574	VR B-2K
VR401	610 237 8726	VR B-10K
	610 239 7550	VR B-10K
VR451	610 230 8013	VR B-100
	610 232 7892	VR B-100
VR462	610 230 7320	VR B-4.7K
	610 232 8448	VR B-5K
TRANSFORMER		
T121	610 037 4522	S COIL
T181	610 037 4522	S COIL
T182	610 037 5512	S COIL
⚠T311	645 011 8111	TRANS, POWER, PULSE
T431	610 000 1077	DRIVE TRANS
⚠T471	645 007 1270	TRANS, FLYBACK
COIL		
L101	645 001 4567	INDUCTOR, 10U K
L121	645 001 4567	INDUCTOR, 10U K
L125	645 001 4567	INDUCTOR, 10U K
L136	645 003 9782	INDUCTOR, 22U K
L141	645 008 2863	INDUCTOR, 4.7U K
L280	645 001 4567	INDUCTOR, 10U K
L301	610 031 6133	LINE FILTER
	610 223 1434	LINE FILTER
L431	610 032 5821	FILTER COIL
	645 008 5628	INDUCTOR, 1U M
L441	610 000 0971	LINEARITY COIL
	610 205 0103	LINEARITY COIL
L451	610 210 3908	PEAKING COIL 33UHK
	645 001 5748	INDUCTOR, 33U K
L461	610 031 1367	INDUCTOR 202J
	610 211 3488	INDUCTOR
	645 005 5645	INDUCTOR, 2200U K
	645 007 8361	INDUCTOR, 2000U
L462	610 000 0261	COIL
	610 208 3781	COIL
L702	645 008 2894	INDUCTOR, 5.6U K
L703	645 008 2894	INDUCTOR, 5.6U K
L704	645 003 9782	INDUCTOR, 22U K
L705	645 011 0221	INDUCTOR, 1.5U K
L706	645 001 4567	INDUCTOR, 10U K
DIODE		
D210	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D211	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D212	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D214	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
D215	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
D235	407 007 9904	DIODE GMA01

Ref. No.	Part No.	Description
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D238	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D241	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D275	407 053 6407	ZENER DIODE MTZ5.1C
	407 056 8200	ZENER DIODE RD5.1EB3
	407 163 8209	ZENER DIODE UZ-5.1BCC
D314	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
⚠D315	407 104 2204	PHOTO COUPLE PC817B
	407 104 2402	PHOTO COUPLE PC817C
D316	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D317	407 007 6606	DIODE ES1
	407 007 6903	DIODE ES1Z
	408 009 9008	DIODE BYD33D
D319	407 053 3000	ZENER DIODE MTZ11C
	407 054 1807	ZENER DIODE RD11EB3
	407 164 6709	ZENER DIODE UZ-11BCC
D351	407 129 7000	DIODE RU4AM LF-L1
D353	407 007 7603	DIODE EU2
	407 007 7801	DIODE EU2Z
D354A	407 009 8905	DIODE RU3M
D355	407 129 6706	DIODE RU4YX LF-L1
D361	407 053 7206	ZENER DIODE MTZ6.2C
	407 053 7503	ZENER DIODE MTZ6.8A
	407 057 2801	ZENER DIODE RD6.2EB3
	407 057 4003	ZENER DIODE RD6.8EB1
	407 164 5108	ZENER DIODE UZ-6.2BCA
	407 151 8600	ZENER DIODE UZ-6.2BCC
D362	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D363	407 053 2607	ZENER DIODE MTZ10B
	407 054 0008	ZENER DIODE RD10EB2
	407 151 1304	ZENER DIODE UZ-10BCB
D384	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D393	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D430	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D431	407 053 8708	ZENER DIODE MTZ9.1A
	407 053 8807	ZENER DIODE MTZ9.1B
	407 057 9602	ZENER DIODE RD9.1EB1
	407 057 9701	ZENER DIODE RD9.1EB2
	407 163 9909	ZENER DIODE UZ-9.1BCA
	407 162 2703	ZENER DIODE UZ-9.1BCB
D432	407 007 6606	DIODE ES1
D433	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D435	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D436	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D437	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D438	407 095 8001	DIODE ERD07-15L
D439	407 006 4108	DIODE ERB44-04
D451	407 005 7308	DIODE EM01Z
	408 009 9008	DIODE BYD33D
D452	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D457	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D464	401 027 9302	CARBON 820K JA 1/6W
D466	407 077 9705	ZENER DIODE MTZ20A
	407 055 1707	ZENER DIODE RD20EB1
	407 164 7805	ZENER DIODE UZ-20BCA
D467	408 008 2406	DIODE 1N4148
	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D468	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D469	407 007 7405	DIODE EU1
D471	407 118 2207	ZENER DIODE 1Z75
D485	407 007 7405	DIODE EU1
D486	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D703	407 055 7907	ZENER DIODE RD3.6EL
D704	409 013 0104	IC HZT33
	409 026 8005	IC L5630
D741	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D742	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D743	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D744	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473
D781	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D782	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D791	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D800	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
D802	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
D803	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
D805	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC

Ref. No.	Part No.	Description
D812	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
D814	407 063 8309	ZENER DIODE MTZJ11C
	407 158 3400	ZENER DIODE UZ-11BSC
MISCELLANEOUS		
A101	645 010 5265	TUNER, U/V
K802	645 008 8308	TERMINAL, BOARD
SW220	610 011 2728	SWITCH, LEVER 1P-3T
SW451	610 011 2728	SWITCH, LEVER 1P-3T
X101	421 002 2609	SAW F TSF5315
X124	610 015 3547	CERAMIC TRAP
	610 015 2854	TRAP, CERAMIC 5.5MHZ
X152	610 012 0464	CERAMIC FILTER 5.5MHZ
X180	421 002 4504	SAW F TSB5304
X181	645 006 3022	CERAMIC FILTER 5.742MHZ
X201	645 000 2502	OSC, CRYSTAL 4.433619MHZ
	610 239 3347	CRYSTAL OSCILLATOR
X202	645 000 2496	OSC, CRYSTAL 3.579545MHZ
	610 240 5408	CRYSTAL OSCILLATOR
X701	645 000 6692	OSC, CERAMIC 8.00MHZ
	645 002 1039	OSC, CERAMIC 8.00MHZ

610 255 1068 ASSY, PWB, TEXT(1) E8ET 1AA0B10E12400

TRANSISTOR		
Q1001	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1002	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1003	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1007	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
INTEGRATED CIRCUIT		
IC1001	409 299 5701	IC SAA5244AP
CAPACITOR		
C1001	403 166 6808	MT-POLYEST 0.1U J 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C1002	403 248 1608	ELECT 47U M 16V
C1003	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C1004	403 032 7601	CERAMIC 8P D 50V
C1005	403 012 4309	CERAMIC 15P J 50V
C1006	403 056 8103	POLYESTER 1000P K 50V
	403 179 3900	POLYESTER 1000P K 50V
C1007	403 166 6808	MT-POLYEST 0.1U J 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C1008	403 166 6808	MT-POLYEST 0.1U J 63V
	403 237 8007	MT-COMPO 0.1U J 50V
C1009	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C1010	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C1011	403 071 2407	CERAMIC 1800P K 50V
C1012	403 071 2407	CERAMIC 1800P K 50V
C1013	403 071 2407	CERAMIC 1800P K 50V
RESISTOR		
R1001	401 026 1307	CARBON 27K JA 1/6W
R1002	401 027 3003	CARBON 56K JA 1/6W
R1003	401 026 4308	CARBON 3.3K JA 1/6W
R1005	401 027 6608	CARBON 75 JA 1/6W
R1008	401 027 6608	CARBON 75 JA 1/6W
R1011	401 027 6608	CARBON 75 JA 1/6W
R1012	401 027 2600	CARBON 5.6K JA 1/6W
R1013	401 026 4308	CARBON 3.3K JA 1/6W
R1014	401 026 4308	CARBON 3.3K JA 1/6W
R1015	401 027 5908	CARBON 68K JA 1/6W
R1016	401 026 1307	CARBON 27K JA 1/6W
R1018	401 024 7400	CARBON 10K JA 1/6W
R1020	401 024 6700	CARBON 100 JA 1/6W
R1021	401 024 6700	CARBON 100 JA 1/6W
R1029	401 025 8208	CARBON 22K JA 1/6W
R1030	401 025 8208	CARBON 22K JA 1/6W
COIL		
L1002	645 003 9799	INDUCTOR, 3.3U K
DIODE		
D1002	407 005 4505	DIODE DS442X
	408 008 2406	DIODE 1N4148
	407 013 1206	DIODE 1S1555
	407 013 4207	DIODE 1S2076
	407 013 7109	DIODE 1S2473

Ref. No.	Part No.	Description
MISCELLANEOUS		
K10C	645 009 8185	SOCKET, PWB-PWB 11P
X1001	610 249 6024	CRYSTAL OSCILLATOR
610 255 1310 ASSY, PWB, CRT E8EA 1AA0B10E12500		
TRANSISTOR		
Q1761	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1762	406 009 9509	TR 2SC4544
Q1771	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1772	406 009 9509	TR 2SC4544
Q1781	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q1782	406 009 9509	TR 2SC4544
CAPACITOR		
C1761	403 142 3401	CERAMIC 680P K 50V
C1771	403 142 3401	CERAMIC 680P K 50V
C1781	403 142 3401	CERAMIC 680P K 50V
C1792	403 047 3100	ELECT 47U M 25V
C1793	403 260 0801	ELECT 4.7U M 250V
C1794	403 075 7101	CERAMIC 1000P K 500V
C1795	403 263 6800	CERAMIC 2200P K 2K
	403 186 2002	CERAMIC 2200P K 2K
RESISTOR		
R1762	401 027 2303	CARBON 560 JA 1/6W
R1766	401 064 9907	OXIDE-MT 10K JA 2W
R1768	401 009 1508	CARBON 2.7K JA 1/2W
R1772	401 027 2303	CARBON 560 JA 1/6W
R1773	401 020 0801	CARBON 470 JA 1/4W
R1776	401 064 9907	OXIDE-MT 10K JA 2W
R1778	401 009 1508	CARBON 2.7K JA 1/2W
R1782	401 027 2303	CARBON 560 JA 1/6W
R1786	401 064 9907	OXIDE-MT 10K JA 2W
R1788	401 009 1508	CARBON 2.7K JA 1/2W
R1792	401 007 5805	CARBON 120K JA 1/2W
R1793	401 027 8602	CARBON 8.2K JA 1/6W
R1794	401 142 9508	OXIDE-MT 0.27 JA 1W
R1797	401 002 6500	SOLID 470K KA 1/2W
VARIABLE RESISTOR		
VR1761	645 003 5647	VR, SEMI, 1K N
VR1762	645 003 5647	VR, SEMI, 1K N
VR1772	645 003 5647	VR, SEMI, 1K N
VR1781	645 003 5647	VR, SEMI, 1K N
VR1782	645 003 5647	VR, SEMI, 1K N
COIL		
L1791	645 001 4758	INDUCTOR, 100U K
MISCELLANEOUS		
⚠K1761	610 249 4136	CRT SOCKET
	610 248 4717	CRT SOCKET
	610 252 1900	CRT SOCKET
K1761F01	610 246 7475	CORD, FOCUS
610 255 1624 ASSY, PWB, NICAM E8ZV 1AA0B10E12800		
TRANSISTOR		
Q541	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q543	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 011 8401	TR 2SC1740S-Q
	405 011 8500	TR 2SC1740S-R
	405 011 8609	TR 2SC1740S-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
INTEGRATED CIRCUIT		
IC541	409 304 6006	IC TDA8205
IC542	409 304 5900	IC TDA8204
IC543	409 026 8609	IC L78M05-RA
CAPACITOR		
C510	403 248 1905	ELECT 10U M 16V
C511	403 248 1905	ELECT 10U M 16V
C541	403 074 8901	CERAMIC 680P K 50V
C542	403 018 6109	CERAMIC 220P J 50V
C543	403 018 6109	CERAMIC 220P J 50V
C544	403 248 1905	ELECT 10U M 16V
C545	403 069 8305	CERAMIC 0.01U Z 50V
C546	403 069 8305	CERAMIC 0.01U Z 50V
C547	403 069 8305	CERAMIC 0.01U Z 50V
C549	403 069 8305	CERAMIC 0.01U Z 50V

Ref. No.	Part No.	Description
C550	403 069 8305	CERAMIC 0.01U Z 50V
C556	403 166 6808	MT-POLYEST 0.1U J 63V
	403 243 6806	MT-COMPO 0.1U J 50V
C557	403 069 8305	CERAMIC 0.01U Z 50V
C558	403 075 0409	CERAMIC 6800P K 50V
C559	403 069 8305	CERAMIC 0.01U Z 50V
C560	403 075 0409	CERAMIC 6800P K 50V
C561	403 248 1905	ELECT 10U M 16V
C562	403 248 1905	ELECT 10U M 16V
C563	403 208 6308	ELECT 220U M 16V
C564	403 012 4002	CERAMIC 15P J 50V
C565	403 075 0409	CERAMIC 6800P K 50V
C566	403 013 1604	CERAMIC 150P J 50V
C567	403 166 8109	MT-POLYEST 0.22U J 63V
	403 263 5704	MT-COMPO 0.22U J 50V
C568	403 011 3402	CERAMIC 120P J 50V
C569	403 069 8305	CERAMIC 0.01U Z 50V
C570	403 248 1608	ELECT 47U M 16V
C572	403 248 1608	ELECT 47U M 16V
C573	403 069 8305	CERAMIC 0.01U Z 50V
C574	403 248 1608	ELECT 47U M 16V
C575	403 166 8208	MT-POLYEST 0.18U J 63V
	403 264 1903	MT-COMPO 0.18U J 50V
C576	403 258 3401	ELECT 10U M 25V
C577	403 258 3401	ELECT 10U M 25V
C578	403 069 8305	CERAMIC 0.01U Z 50V
C579	403 008 5105	CERAMIC 10P D 50V
C580	403 244 1206	ELECT 100U M 10V
C581	403 085 4008	NP-ELECT 10U M 16V
C582	403 085 4008	NP-ELECT 10U M 16V
RESISTOR		
R529	401 025 4606	CARBON 18K JA 1/6W
R530	401 027 0309	CARBON 47K JA 1/6W
R531	401 025 4606	CARBON 18K JA 1/6W
R532	401 027 0309	CARBON 47K JA 1/6W
R533	401 024 7400	CARBON 10K JA 1/6W
R534	401 027 8602	CARBON 8.2K JA 1/6W
R535	401 024 7400	CARBON 10K JA 1/6W
R536	401 027 8602	CARBON 8.2K JA 1/6W
R541	401 026 9600	CARBON 470 JA 1/6W
R542	401 024 7400	CARBON 10K JA 1/6W
R543	401 024 7400	CARBON 10K JA 1/6W
R544	401 025 1605	CARBON 1.5K JA 1/6W
R545	401 024 6700	CARBON 100 JA 1/6W
R546	401 026 0607	CARBON 270 JA 1/6W
R547	401 026 0409	CARBON 27 JA 1/6W
R548	401 026 9303	CARBON 47 JA 1/6W
R549	401 027 5205	CARBON 680 JA 1/6W
R559	401 027 2600	CARBON 5.6K JA 1/6W
R560	401 026 9006	CARBON 43K JA 1/6W
R561	401 025 4606	CARBON 18K JA 1/6W
R562	401 026 9006	CARBON 43K JA 1/6W
R563	401 027 2600	CARBON 5.6K JA 1/6W
R564	401 026 0607	CARBON 270 JA 1/6W
R565	401 026 7408	CARBON 39K JA 1/6W
R566	401 012 9904	CARBON 10M JA 1/4W
R567	401 025 1308	CARBON 150 JA 1/6W
R568	401 024 6700	CARBON 100 JA 1/6W
R569	401 024 6700	CARBON 100 JA 1/6W
R570	401 024 8001	CARBON 1M JA 1/6W
R571	401 027 2600	CARBON 5.6K JA 1/6W
R572	401 066 9103	OXIDE-MT 27 JA 2W
TRANSFORMER		
T541	610 208 6089	S BLOCK
COIL		
L541	645 011 0252	INDUCTOR, 2.2U K
L542	645 011 0252	INDUCTOR, 2.2U K
L543	645 011 0252	INDUCTOR, 2.2U K
L544	645 011 0252	INDUCTOR, 2.2U K
L547	645 008 2894	INDUCTOR, 5.6U K
MISCELLANEOUS		
K5A	645 005 0077	SOCKET, PWB-PWB 15P
X541	610 015 2854	TRAP, CERAMIC 5.5MHZ
X543	610 233 0649	CRYSTAL OSCILLATOR

610 256 5683 ASSY, PWB, FRONT E8ZV 1AA0B10E16700

Ref. No.	Part No.	Description
TRANSISTOR		
Q1171	406 007 2106	TR JC546A
	406 007 2007	TR JC546B
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
Q1172	406 007 2106	TR JC546A
	406 007 2007	TR JC546B
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
Q1173	406 007 2106	TR JC546A
	406 007 2007	TR JC546B
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
Q1174	406 007 1901	TR JC556A
	406 007 1802	TR JC556B
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 028 7909	TR 2SA608-G-CTV-NP
Q521	405 014 8408	TR 2SC2568(1)-K
	405 014 8507	TR 2SC2568(1)-L
	405 041 6507	TR 2SC2621-D-RA
	405 041 6705	TR 2SC2621-E-RA
INTEGRATED CIRCUIT		
IC1102	409 301 4906	IC TDA7263M
IC1103	409 316 5400	IC XC44131PB
CAPACITOR		
C1101A	403 045 9807	ELECT 2200U M 25V
C1102	403 045 9807	ELECT 2200U M 25V
C1103	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C1104	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C1106	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C1107	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C1109A	403 053 3606	ELECT 2200U M 35V
C1111	403 057 3107	POLYESTER 0.1U K 50V
	403 181 8207	POLYESTER 0.1U K 50V
C1112	403 046 3507	ELECT 33U M 25V
C1113	403 046 3507	ELECT 33U M 25V
C1114	403 074 8901	CERAMIC 680P K 50V
C1116	403 074 8901	CERAMIC 680P K 50V
C1117	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C1118	403 270 3403	MT-POLYEST 0.22U K 63V
	403 237 7901	MT-COMPO 0.22U J 50V
C1123	403 049 4204	ELECT 10U M 50V
C1124	403 049 4204	ELECT 10U M 50V
C1171	403 069 0507	CERAMIC 1000P K 50V
C1172	403 042 2405	ELECT 100U M 16V
C1173	403 059 6205	POLYESTER 0.022U K 50V
	403 179 2408	POLYESTER 0.022U K 50V

Ref. No.	Part No.	Description
C1174	403 069 8305	CERAMIC 0.01U Z 50V
C1176	403 069 8305	CERAMIC 0.01U Z 50V
C1177	403 042 2405	ELECT 100U M 16V
C1178	403 048 6308	ELECT 0.47U M 50V
C1179	403 086 1808	NP-ELECT 0.47U M 50V
C1181	403 041 8804	ELECT 10U M 16V
C1182	403 070 4600	CERAMIC 1200P K 50V
C1183	403 074 7300	CERAMIC 5600P K 50V
C1187	403 048 6308	ELECT 0.47U M 50V
C1188	403 069 8305	CERAMIC 0.01U Z 50V
C1189	403 069 8305	CERAMIC 0.01U Z 50V
C1190	403 072 7708	CERAMIC 330P K 50V
C1191	403 048 6308	ELECT 0.47U M 50V
C1192	403 049 0008	ELECT 1U M 50V
C1193	403 023 9607	CERAMIC 39P J 50V
C1194	403 044 6609	ELECT 10U M 25V
C1196	403 044 6609	ELECT 10U M 25V
C1197	403 085 4008	NP-ELECT 10U M 16V
C1198	403 085 4008	NP-ELECT 10U M 16V
⚠C501	404 047 3602	MT-POLYEST 0.1U M 125V
	404 044 0901	MT-COMPO 0.1U M 250V
⚠C502	404 047 3602	MT-POLYEST 0.1U M 125V
	404 044 0901	MT-COMPO 0.1U M 250V
C511	403 076 7100	CERAMIC 1000P M 1K
C512	403 076 7100	CERAMIC 1000P M 1K
C513	403 076 7100	CERAMIC 1000P M 1K
C514	403 076 7100	CERAMIC 1000P M 1K
C516	404 008 2705	CERAMIC 470P K 400V
	404 008 3108	CERAMIC 470P M 400V
C521	403 054 1502	ELECT 470U M 35V
C522	403 041 4509	ELECT 470U M 10V
C523	403 049 4204	ELECT 10U M 50V
RESISTOR		
R1101	401 007 7601	CARBON 150 JA 1/2W
R1102	401 007 7601	CARBON 150 JA 1/2W
R1103	401 026 8108	CARBON 4.7 JA 1/6W
R1104	401 026 8108	CARBON 4.7 JA 1/6W
R1108	401 025 7805	CARBON 2.2K JA 1/6W
R1109	401 026 9303	CARBON 47 JA 1/6W
R1111	401 025 7805	CARBON 2.2K JA 1/6W
R1112	401 026 9303	CARBON 47 JA 1/6W
R1122	401 025 7805	CARBON 2.2K JA 1/6W
R1124	401 025 7805	CARBON 2.2K JA 1/6W
R1127	401 024 7004	CARBON 1K JA 1/6W
R1128	401 024 7004	CARBON 1K JA 1/6W
R1137	401 026 3905	CARBON 330 JA 1/6W
R1138	401 025 7409	CARBON 220 JA 1/6W
R1172	401 027 3706	CARBON 6.8 JA 1/6W
R1173	401 026 9600	CARBON 470 JA 1/6W
R1174	401 229 2705	MT-FILM 191K FA 1/6W
R1176	401 024 6700	CARBON 100 JA 1/6W
R1177	401 024 6700	CARBON 100 JA 1/6W
R1178	401 024 6700	CARBON 100 JA 1/6W
R1179	401 027 2303	CARBON 560 JA 1/6W
R1181	401 024 6700	CARBON 100 JA 1/6W
R1182	401 027 2303	CARBON 560 JA 1/6W
R1183	401 024 7004	CARBON 1K JA 1/6W
R1184	401 024 7004	CARBON 1K JA 1/6W
R1191	401 024 7004	CARBON 1K JA 1/6W
R1192	401 027 0309	CARBON 47K JA 1/6W
R1193	401 024 7400	CARBON 10K JA 1/6W
R1194	401 026 7002	CARBON 3.9K JA 1/6W
R1196	401 027 2600	CARBON 5.6K JA 1/6W
R1197	401 026 0607	CARBON 270 JA 1/6W
R1200	401 024 7400	CARBON 10K JA 1/6W
R1202	401 025 1605	CARBON 1.5K JA 1/6W
R1203	401 025 4200	CARBON 1.8K JA 1/6W
R1204	401 026 1000	CARBON 2.7K JA 1/6W
R1205	401 026 9907	CARBON 4.7K JA 1/6W

Ref. No.	Part No.	Description
R1206	401 027 5502	CARBON 6.8K JA 1/6W
R1207	401 025 1902	CARBON 15K JA 1/6W
R1208	401 027 0309	CARBON 47K JA 1/6W
R1209	401 027 0309	CARBON 47K JA 1/6W
R1211	401 026 4605	CARBON 33K JA 1/6W
R1212	401 024 7400	CARBON 10K JA 1/6W
R508A	402 071 1205	WIRE WOUND 3.9 KA 7W
R523	401 065 7506	OXIDE-MT 1.5K JA 2W
R525	401 027 8602	CARBON 8.2K JA 1/6W
R526	401 027 5205	CARBON 680 JA 1/6W
TRANSFORMER		
⚠T501	610 033 3765	POWER TRANS
	610 240 4739	POWER TRANS
COIL		
⚠L501	610 221 6912	LINE FILTER
DIODE		
D1120	407 116 6504	LED SLP-181B-51
D1171	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D506	407 006 6300	DIODE ERC05-10B
	407 009 6901	DIODE RM11C
D507	407 006 6300	DIODE ERC05-10B
	407 009 6901	DIODE RM11C
D508	407 006 6300	DIODE ERC05-10B
	407 009 6901	DIODE RM11C
D509	407 006 6300	DIODE ERC05-10B
	407 009 6901	DIODE RM11C
D523	407 005 7308	DIODE EM01Z
D526	407 053 6803	ZENER DIODE MTZ5.6C
	407 057 0104	ZENER DIODE RD5.6EB3
	407 151 8501	ZENER DIODE UZ-5.6BCC
D527	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D528	407 053 6209	ZENER DIODE MTZ5.1A
	407 053 6308	ZENER DIODE MTZ5.1B
	407 056 7906	ZENER DIODE RD5.1EB1
	407 056 8002	ZENER DIODE RD5.1EB2
	407 151 8303	ZENER DIODE UZ-5.1BCA
	407 151 8402	ZENER DIODE UZ-5.1BCB
MISCELLANEOUS		
⚠F501	423 024 8409	FUSE 250V 4A
	423 007 2103	FUSE 250V 4A
	423 021 8006	FUSE 250V 4A
F501A	645 000 5077	HOLDER, FUSE
F501B	645 000 5077	HOLDER, FUSE
A1101	645 007 1546	UNIT, REMOCON RECEIVER
K1101	645 005 5706	JACK, PHONE D3.6
PS501	408 013 3801	TH PTH451C262BF140M270
SW1102	610 011 4432	SWITCH, PUSH
SW1103	610 011 4463	SWITCH, PUSH
⚠SW501	645 003 6811	SWITCH, PUSH POWER 2P-2T
X1171	645 003 3155	OSC, CERAMIC 427KHZ

OUT OF CIRCUIT BOARD

PICTURE TUBE		
⚠Q901	414 008 2803	CRT A59KPR84X(S1)
Q901A	610 003 1708	CG PURITY MAGNET
	610 003 1739	CG PURITY MAGNET
	645 008 8674	MAGNET, CG. PR
COIL		
⚠L901	610 030 4956	DEGAUSSING COIL
	645 004 5981	COIL, DEGAUSSING

Ref. No.	Part No.	Description
	610 229 4170	DEGAUSSING COIL
⚠L902	645 005 1050	YOKE, DEFLECTION
MISCELLANEOUS		
SP901	645 002 4313	SPEAKER, 8
SP902	645 002 4313	SPEAKER, 8
WSC	610 247 0000	CORD, SCREEN
⚠W901	645 009 9991	CORD, POWER
W903A	610 251 5831	ASSY, WIRE GND CONNECTOR E 005

Ref. No.	Part No.	Description

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